

APPENDIX

Qy	448	GCTATGAACTTATCAAACACTGAAGCTTAACAGGTATTCAGCTACCCCTTGCACTTCCCCT	507	Db	1528	CTTGAAAGGCAACGACAACTGTGAGTGGAAACCGAATTCGAAGGCAAGACTACTAAATCAA	1587
Db	301	GCCATGAAGCTCATCAAACTGAAGCTCCGGCACTTCCCCT	360	Db	1378	CTGGAAAGGCAACGACAACTGTGAGTGGAAACCGAAGCAGGGCGCTGACTCCTGACTCAG	1437
Qy	508	GTCATGAAACAGACRAACGGCTGGTATTCTAGGCAACAGATTTGGATGGGTATC	567	Qy	1588	AGAACAAAGAACAAAGGACATAATGTTGTAACGGCAAGAAAAGACTTGGAAATT	1647
Db	361	GTCATGAAAGCGGGCATCTAGGCCACAGCTGGTAGGGATG	420	Db	1438	AGGAACAGGACGGGGCATCTGGTTCTGAAGCGAGGAGACTGGATTT	1497
Qy	568	GCCAGCATCCACCGCTACAGCTGTTCCAGTCCAGTCACTGGATCCATTCAAGTGGTT	627	Qy	1648	GAATAGAGCTTAAATGTAANAGCATCACCTGAGGAAACTTCAAGNTATGAA	1707
Db	421	GCTGGAAATGCCAACACTAACAGCTGGTCTCCGTCATGGCTCAATGCCAGTGGT	480	Db	1498	GAATAGAGCTGTTGAGTCAAAACTTCAGGATATCAGGTTAGGATCAGG	1557
Qy	628	GGATGTCCTCCAAACCCCTGTAGTATCTCTGTTCCACAGGAGCTGGCTGTAAC	687	Qy	1708	TGTCGATTGACCCACCAAGGCAAGAAATSGAGCRAAAACAAATCTAGAGTGTGAGA	1767
Db	481	GGATGTCCTCCGGCTTAACTATCTCTGCCCTCAAGGAGCACTGGCTCCCTGGTAAAC	540	Db	1558	TGTCGACTGGDAAACCGAGGGDAGAAATGGAGCAGACAGCTGAGCTGAGTSGAGA	1617
Qy	638	GGGCTCCCCCTGTATAACACCTCTGGCTGATTTGGCTCATCTGGGCCACATTGCA	747	Qy	1768	ATTGCCGAAATCACCCATCTACAGCAACAATTACAGGAACTCTCGCAAAATGCTGGAGA	1827
Db	541	GGGGCCCTCTCTGTCATACAGCCTCTGGCTGCAATTGCTGCCACATTGCA	600	Db	1618	ATTGCCGAAATCACCCATTACAGCAACTCTGAGCAAGTGTGGAGA	1677
Qy	748	AAGAGTTCTCCCTTGTAGTAGATCTGGTCAACTAAACACTAAATTACAAAG	807	Qy	1628	CTTATTCGAGAAACAGAGTACTCATGACCATTAAACAGTTCAGCAGAACGTTG	1887
Db	601	AAGAGTTCTCCCTGTCATACAGCCTCTGGCTGAGATCTGGTCAAGTAACTACAAAG	660	Db	1678	CTTATTCGAGAAAGCAGATACTCTGAGCACTGAGCTTAAACAGTTCAGCAGAACGTTG	1737
Qy	808	GCACAGTCATTGATGTCGCCATGTGGCTACAGTGGAGATGGCTTCTTCAGTCA	867	Qy	1888	CACAGAGATTCTACTGTTACACTTAAAGAGCTTATGAGCAAAGAAAGAAACTAGTCGCGAG	1947
Db	661	GCACAAATTGTTGATGTCGCCAGGGCCCTGGCTGAGTGGCTCATCTG	720	Db	1738	CATAGAGATTCTCTTACCTCAAGGSCCTTGTGAGTAAAGGAAACTGCTGAGGATT	1797
Qy	868	TCAAGACTGAATAACGGAAATTATTCAATAGTCATGCAAAACTATGTTGACACTA	927	Qy	1948	ACACCTAGAGGACCAACTGGTCAAGTCGAGAAAGAAACTATGAGGAGATT	2007
Db	721	TCAAGACTGAATAACGGCACTTACAGGCACTGTTTACCTAACGTCAGTGGACACTA	780	Db	1798	CAGCTTGAGACAGCTGGCAAGTGGCAAGGAGAAAGGAGCAAGTGTGAGGAGATT	1857
Qy	928	ACAGGTCCCCRAAGCAAGACATTCTTATGCACTGAGCTTCAACAGGCTCAGCTGCT	987	Qy	2008	GATTTTTTCAATTANTCTGGTAAAGGAAACTTACACATAAAAGCAACAACTCCAG	2067
Db	781	ACAGGTCCCCAGGCAAGACATTCTTCACTGCAATCTGCAATTCAAGCTCAGT	840	Db	1858	GATGTTTCAACACCCAGCTGAGGAACTGAGCTAACAGTAAACAGCTGTCAG	1917
Qy	988	TCAATATGCAATTTCTGACAACTTACAGCAGGAAACTTACAGCAGGAACTTATC	1047	Qy	2068	AGCAAAAGTCATGGGCTGAAAGCTGAAACAGAAAGAAAGAAAGATAAA	2127
Db	841	TCAATCTGCAATTTCTGCAATTGATGAGCTCACCGCTCAAGTCAATCAGT	900	Db	1918	ANGCAGGGTCTCATGGGGCGAGGSCCTAAAGCAGAAAGGGAGGAGAGCTG	1977
Qy	1048	CTGGCAATGCACTCTATGATGAGCTTGTCTGGCCACCACTGCCACCTGCTG	1107	Qy	2128	GAATTTAGAAACAAAGAGAAAGGCCRAAGGAGCTCAGAAAGGAAAGCTGG	2187
Db	901	CTAGCGATGCACTGATGATGTTGCTGCTGCTGCACTGCTGCTGCTGCT	960	Db	1978	GAGTGTGAGAAAGCAAAAGGAGGAAAGGTCAAGGAGCTTCAGGAAAGGAAAGCTGG	2037
Qy	1108	CCGAATATATTCACCTCTTGTAGAGAGTGTGATGGAGTGGTATATCTGTATA	1167	Qy	2188	CTGGAGGATCTGCAAGGAGGCAAGGAGCATAGAGGACCAAGAAACACTCCAGGAGGAA	2247
Db	961	CCGAATATCATCCCTCTTCTTGTAGAGTGTGCTGCTGCTGCTGCTGCTA	1020	Db	2038	CAGGAGCATGTCAGCAGGGAG -- GAGCAGGAGGCCCTGAGGAGAC	2094
Qy	1168	AGCTCAACATCTGATGATGCAAGGCTTACCAAGGAAACAGTTAGAGATGAAACAA	1227	Qy	2248	AAACTGAAAGGGAGGAGGAGTCTGCAAAAGAGGAAAGCCGAGGAAAGGCAAACAGGAA	2307
Db	1021	AGCTCTCTGCTGAGACAGGCGCTGGCCGAGGAGCTGGAGCTGAGCAGG	1080	Db	2095	AAACTGAAAGGGAGGAGCTGCTGCAAGGAGGAGGCCAGGGAAAGGAGCCAGCGCAA	2154
Qy	1228	CAATTAGAAAAGAAATTACCTGTAACGTTGTGAGATATAAGAAGGGGAAACATTGAACT	1287	Qy	2308	GCACAAAGACAACGCTGGSTCGGTTTCACTAACACAAAGGAGCTGCTGTC	2367
Db	1091	G---TGGAAAAGAGCTGCTGTGACATTGTGAGATATAAGAAGGGAAACATTGAGGCA	1137	Db	2155	GTCGCAAGAACAGGAGCTGGCTTTCATCCCATCACAGGCACTGAGCTGGGC	2211
Qy	1238	GGCAACCTGGAACTGGAAGAACGAGGAGCTGGCTCCGGCAAGGAGGAGCTGGAG	1347	Qy	2368	CAGGACCCCTGGTCACTGCAAGAAAAGGTCCACTTACCTTCAGCAGGAAATGTA	2427
Db	1138	GGCAACCTGGAGCTGGCAAGGAGCTGGCAAGGAGGAGCTGGCTCCGGCAAGGAG	1197	Db	2212	CAGGACCCCTGGTAACTCCAGGCTGATTCAGGAGTGGCTGTC	2271
Qy	1348	GAGGCCCTGGCCAGCTGGCTGGAGGCGGGGAGGAGGAGCTGGCCAGGAG	1407	Qy	2488	ATCAGGCAAGGAGCATAGTCAT - - - - -	2532
Db	1198	GAGGGCGCTGGCTGGCTGGAGGAGGAGCTGGCAAGGAGGAGCTGGCCAGGAA	1257	Db	2332	ATCAGGCAAGGAGNATACTGCTGGTTAAAGGGAAATGGGTGATGAGCTGGCAAGCGGA	2391
Qy	1408	CAAGAGCCAAAAGACAACTGGAAAGCAACTGGCAAGGAGCTGGCTAGAA	1467	Qy	2533	GAACCCGGCTGGCTGGAGGAGAAATTAAAAGGAAAGCAGGGTGTCCCTGAAACTAT	2592
Db	1258	CAGGAGCCAAAGAGCACTGAGCTGGAGGAGGAGCTGGCAAGGAGCTGGCAAG	1317	Db	2392	GAGCAGGAGCTGGCTGGAGGAAACGGGAAAGGGAGGAGCTGGTCAAGGAGTGTGACTATCAACAA	2451
Qy	1468	CGGCAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGCTGGAGGAGGAGCTGGCA	1527	Qy	2593	GCAGGAGAAAATCCAGAAAATGAGGTTCCCGCTCAGTGAACCGAGTGTGACTATCAACAA	2652
Db	1318	AGGCAGAAGAGGAGGAGGAGGAGGAGGAGGAGCTGGAGGAGGAGCTGGCAAG	1377	Qy			

Db 130 GAGAGTCACTGGCAAGGTTGGCTTCATCGTCAAATTATGTGAAGGTGACCAACACA 189 Qy 3623 TGGACCCAGCCAAATGAATCATATGTCATCCCGCTCAGGCTTGAAGGTCT 3682 Db 190 TGGACCCAGCCAAATGAATCATATGTCATCCCGCTCAGGCTTGAAGGTCT 248 Qy 3633 CAAGAGGCCAATATCCCATACATCACGCCAGGGGTGATGGAGATGCGCCTGAT 3742 Db 249 CAAGAGGCCAATATCCCATACATCACGCCAGGGGTGATGGAGATGCGCCTGAT 308 Qy 3743 CATGTGACTTCCAGCATGATCACCTGCCTCTGACTAGAGAACATCACTGAGACA 3802 Db 309 CATGTGACTTCCAGCATGATCACCTGCCTCTGACTAGAGAACATCACTGAGACA 368 Qy 3803 GTTTACCTCATTTACCTTAGTGTGATGCAATGTTGAGTTATTACTTGAGAG 3862 Db 369 GTTTACCTCATTTGACCTTAGTGTGATGCAATGTTGAGAGAG 427 Qy 3863 ATAGGAGCAAAATTACAAAAACACACACGGGTAGTGTGCTCCCTTGCGCTT 3922 Db 428 GCAGAAGC -AAATTGCAACTGCACAGGGTGTGGTCTTTGT GCTTCTCTAGTC 484 Qy 3933 ACTCAAATGACTTCCCACCTTTGACAGTGCTTCAATAGTTAAATTATT 3982 Db 485 ACTCAGACTGACGCCCTCCTCASWCAGYGAUTKSAAGYWWAAAKKATT 543 Qy 3983 TAATAATATATTTAGCTTTTAATAACA 4012 Db 544 TARATGTGTTAGCCTTATAAAA 573

RESULT 3
US-11-091-803-433
i Sequence 433, Application US/11091883
i Publication No. US20060024693A1
i GENERAL INFORMATION:
i APPLICANT: CIBELLI, JOSE
i APPLICANT: FERNANDEZ, EMILIO O.
i APPLICANT: JORDAO DE MEGALHES, GUILHERME
i APPLICANT: KOCABAS, ARIF
i APPLICANT: CROSBY, JAVIER A.
i TITLE OF INVENTION: IDENTIFICATION OF GENES OR POLYPEPTIDES THE EXPRESSION OF WHICH CORRELATES TO FERTILITY, OVARIAN FUNCTION AND/OR FETAL/NEWBORN VIABILITY
i TITLE OF INVENTION: VIABILITY
i FILE REFERENCE: 53942US
i CURRENT APPLICATION NUMBER: US/11/091, 883
i CURRENT FILING DATE: 2005-03-29
i PRIOR APPLICATION NUMBER: 60/556, 875
i PRIOR FILING DATE: 2004-03-29
i NUMBER OF SEQ ID NOS: 513
i SOFTWARE: PatentIn version 3.3
i SEQ ID NO: 433
i LENGTH: 4053
i TYPE: DNA
i ORGANISM: Homo sapiens
i US-11-091-803-433

Query Match 1.9%; Score 96.2; DB 7; Length 874;
Best Local Similarity 69.3%; Pred. No. 4.2e-11;
Matches 131; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

Qy 3208 GAATTCGCGAGTTTTCCTCATACCCGCCACCGCCAGCTCACTCTCCC 3267 Db 334 GAGATTCGCTCAGTACTCAGCATATGTTCTGCACACTTACCCCTCA 393 Qy 3268 CCTGGTCGCTGATTGTCGAAAGAACCCAGGTGGATGGAAAGAGGTG 3327 Db 394 CCAGGACGTTAATTATTCAGGAAATACAGTGGGGTGGTGCAGAGAAT 453 Qy 3328 CAAGCACCTGGAAAAAGGCCAGATAGCTGGTCCAGCTAATTATGTAAGCTTA 3387 Db 454 CAGGCCAGGAAAAAGGACRAAAAGGACGAAAGGATGGTTCTGCGAGTCAGTTA 513 Qy 3388 AGCCCTGGACGAGCAAATCACTCCAACAGCACCTAACGATTAAGGGCA 3447 Db 514 GETCAAGCAGCTGAAGGCCA-----CAGCTGCCCTTCATCCT 552 Qy 3448 GTGTCGAGGTGATGGATGACGACTAACCGCAGANTGACATGAGCTGGCTTC 3507 Db 553 GTATGTCAGGTGATGCTGATGACTATGAGCTAACATGAGATGAGCTTC 612 Qy 3508 AACAGGGCCACATCATCAAAGTCTAACAGGGGACCTGATGGAAAGGAGAA 3567 Db 613 TCCAAGGACAACTCATTAATGTTGACAAAGATGATCTGTTGGCAAGAGAG 672 Qy 3568 GTCATGACAAGTGGGCTCCTCCATCCAAATTGTAAGGTGACCACAGACATGGAC 3627 Db 673 ATCAACGGGTGACTGTCCTTCCTCAAACTAAGTGAAGCAGACTAGAT 732 Qy 3628 CCAAGGCCAGCATGAAITCATATGTTGTCATGCCATCCCCCTCAGGCTGAAAGTCCTCAAAG 3687 Db 733 CCAAGTCAACAGTGACCA-----ANGTTCGCTTCAGTTGTAAGGCAACCCAG 782 Qy 3688 AGACCCRACTATCCATPATCAGTGCAGGAGATGAGGGAGATGGCTGTGATCATGT 3747 Db 783 AGACCCRACT -CAAGTTTCACTCTAGCTGTGAGGCAGGGCAGGGCAAGG 841 Qy 3748 GACTTCAGCATGATCACCTACTGCTT 3775 Db 842 ATCTCTACACATTCGTTTACTTCGTT 869

RESULT 4
US-10-750-185-31648
Sequence 31648, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFIELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: PANTIN, Dennis
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MMU1100-2
; CURRENT APPLICATION NUMBER: US/10/750, 185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437, 482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 31648
; LENGTH: 874
; TYPE: DNA
; ORGANISM: Bovine 19866880882217
; US-10-750-185-31648

Query Match 1.9%; Score 96.2; DB 7; Length 874;
Best Local Similarity 69.3%; Pred. No. 4.2e-11;
Matches 131; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

Qy 2917 CAGGTGAAAGTGGGGCTACAGCTTAAGCTTACGGCTTATCCCTGGAGGCCAAAAA 2976 Db 101 CAGGGACAGCTGTGAGAAACCTGAGCACAGGCCCTTGTCTGACTGCAAGAAA 160 Qy 2977 GACAACCATTAATTTAACAAATGATGTCATACCGTCTGGAAACAGAAAGCATG 3036 Db 161 GAAAACCTGAACTCTCAACATGATTTACTGCTTACAGCAGAAAT 220 Qy 3037 TGCTGTTGGAGAAGTCAAGTCAAGGCTTCCCTAACGTTACGTGAAACTC 3096 Db 221 TGTGGTTGGGAGGTCAAGGAGATGGTCCGAAATCTTACGTTAACATC 280 Qy 3097 ATTCAAGG 3105

RESULT 5

Db 281 ATCCCTGGG 289

Query Match 1.1%; Score 7.1; DB 7; Length 874;

Best Local Similarity 51.5%; Pred. No. 6.7e-06;

Matches 177; Conservative 0; Mismatches 167; Indels 0; Gaps 0;

Db 1183 GATCAGAGCTCACAGGAAACCGTTAGAGTGAACACAATTGAAAGAAA 1242

Db 15959 GAGGAGAGGGGGAAACGGGGAAACGGGGAAACGGGGAGGAGGAGGAA 16018

Qy 1243 TTACCTGTAACGTTGAGATATAAGAAGGGAAACITTGAACTGGAAACCTGGA 1302

Db 16019 TAGGAGGGAGGGAGGGAGGGAGGGAGGGAGGGAGGGAGGGAGGAG 16078

Qy 1303 GAGAACGAGGCAAGCTCTCCCTGAACAGACCCGAAAGGAGCAAGGCCAG 1362

Db 16079 GAGAACGAGGAGGGAGGGAGGGAGGGAGGGAGGGAGGGAGGAGGAG 16138

; TYPE: DNA

RESULT 6

US-11-121-086-5

Query Match 1.4%; Score 74; DB 7; Length 2170;

Best Local Similarity 67.5%; Pred. No. 3.9e-06;

Matches 104; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

Qy 986 CTTCAATATGAAATCTTCGACATTGATCAAGATGGAAACATACAGGAGGAAATTAA 1045

Db 1466 CCTTCCTTCAGGACTCTGGCTGACATCGATGTGTGGACAGCTGAAAGCTGAGTTCA 1525

Qy 1046 TCCCTGCAATGACCCCTCATGATGTAGCTATGCTGGCCACACTGTCCTGC 1105

Db 1526 TCCCTGCGATGTCGACCTCACTGATGGCCAAGCTGCACTGTCCTGC 1585

Qy 1106 CTCCAGAAATACATTCCACCTTCATGTTAGGAGGT 1139

Db 1586 CTCCCTGAGPTGTCCCCATCTTAGGTGAGT 1619

; TYPE: DNA

RESULT 7

US-10-750-185-31653

Query Match 1.4%; Score 100; DB 7; Length 31653

Best Local Similarity 67.5%; Pred. No. 1.075e-185

Matches 31653; Application US/10750185

; Sequence 31653, Application US/10750185

; Publication No. US200502661603A1

; GENERAL INFORMATION:

; APPLICANT: MMI GENOMICS, INC.

; DENISE, Sue K.

; KEIR, Richard

; ROSENFIELD, David

; HOLM, Tom

; BATES, Stephen

; FANTIN, Dennis

; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS

; FILE REFERENCE: MM11100-1

; CURRENT APPLICATION NUMBER: US/10/750,623

; PRIOR APPLICATION NUMBER: US 6/437,482

; CURRENT FILING DATE: 2003-12-31

; PRIOR FILING DATE: 2002-12-31

; NUMBER OF SEQ ID NOS: 64922

; SOFTWARE: PatentIN version 3.1

; SEQ ID NO: 31648

; LENGTH: 874

; TYPE: DNA

; ORGANISM: Bovine 19866880882217

US-10-750-623-31648

Query Match 1.9%; Score 96.2; DB 7; Length 874;

Best Local Similarity 69.3%; Pred. No. 4.2e-11;

Matches 131; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

Qy 2917 CAGGGTGAAGGTGAGGGCTACAGCTCAAGCCCTATATCCCTGGAGGAGCCAAAAA 2976

Db 101 CAGGGACAGGTTGTGAAACACCTGAAGGACAGGGCCCTGGCTGTGGACTGAAAGAA 160

Qy 2977 GACARCACTTAATTTACAAAATGATGTCATCCCTCTCGAACAGCAGACTG 3036

Db 161 GAAAACCACCTGRACTCTCAAACATGATATTATCTCTGTAGGACAGAAATT 220

Qy 3037 TGGTGGTTGGAGAAGCTCAAGGTGAGTCCCAAGTCTACGTGAAACTC 3096

Db 221 TGGTGGTTGGAGAAGCTCAAGGTGAGTCCCAAGTCTACGTGAAACTC 280

Qy 3097 ATTTCAGGG 3105

Db 281 ATCCCTGGG 289

; LENGTH: 874

; TYPE: DNA

; ORGANISM: Bovine 19866880880841

US-10-750-185-31653

Query Match 1.4%; Score 74; DB 7; Length 2170;

Best Local Similarity 67.5%; Pred. No. 3.9e-06;

Matches 104; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

Qy 986 CTTCAATATGAAATCTTCGACATTGATCAAGATGGAAACATACAGGAGGAAATTAA 1045

Db 1466 CCTTCCTTCAGGACTCTGGCTGACATCGATGTGTGGACAGCTGAAAGCTGAGTTCA 1525

Qy 1046 TCCCTGCAATGACCCCTCATGATGTAGCTATGCTGGCCACACTGTCCTGC 1105

Db 1526 TCCCTGCGATGTCGACCTCACTGATGGCCAAGCTGCACTGTCCTGC 1585

Qy 1106 CTCCAGAAATACATTCCACCTTCATGTTAGGAGGT 1139

Db 1586 CTCCCTGAGPTGTCCCCATCTTAGGTGAGT 1619

; TYPE: DNA

; ORGANISM: Homo sapiens

US-11-121-086-5

Query Match 1.5%; Score 76.8; DB 11; Length 153376;

RESULT 8

US-10-750-623-31653

Sequence 31653, Application US/10750623
; PUBLICATION NO. US20050287531A1
; APPLICANT: MMi GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MMi110-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 31653
; LENGTH: 2110
; TYPE: DNA
; ORGANISM: Bovine 19866880980841
; US-10-750-623-31653

Query Match Score 74; DB 7; Length 2170;
Best Local Similarity 1.4%; Score 74; DB 7; Length 2170;
Matches 104; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

Qy 986 CTTCATAATGCCAATCTTCTGACATTGATCAAGATGGAAACTTACAGCAGGAAATTAA 1045
Db 1466 CTTTCCTTCAGGACTCTGGTGAATCATGGTGTAGCATGAGCTGAAAGCTGAGGTTCA 1525
Qy 1046 TCTTGGCAATGCCACCTTCTGTAATTGATGTAATTGATGTAATTGCTGTCCTGC 1105
Db 1526 TCCCTGGATGCCACCTCACTGATGATGCCAAAGCTGACAAGCGTTGCGCTGGCTTAC 1585
Qy 1106 CTCCAGAGATAATCCACCTTCCTTTAGAGACT 1139
Db 1586 CTCTGAGCTGTCCTCATCTTTAGTTGAGT 1619

RESULT 9
US-11-121-086-25
; Sequence 25, Application US/11121086
; Publication No. US2005266459A1
; GENERAL INFORMATION:
; APPLICANT: FOULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 0913B 6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO: 25
; LENGTH: 171602
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-11-121-086-25

Query Match Score 1.2%; DB 11; Length 173602;
Best Local Similarity 52.0%; Pred. No. 0, 003; Mismatches 154; Indels 4; Gaps 1;

Qy 1328 AACGCRGGCAAGGAGCAGGCCCTGCCAGCTGGAGCGGCCAGCAGGAGGAGGA 1387
Db 51066 AGCTCCATCTCAAAAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 51125

Query Match Score 1.2%; DB 11; Length 173602;
Best Local Similarity 52.0%; Pred. No. 0, 003; Mismatches 154; Indels 4; Gaps 1;

Qy 1388 AGGAGCTGAGGCCAGAGCAAGGAAAGACACTGAGAACACTGAGAACACTGG 1447
Db 51126 AGGAGAGGAGAAAGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 51181

RESULT 10
US-11-136-527-7472/c
; Sequence 7472, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wytch, William M
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136-527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 7472
; LENGTH: 1400
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; US-11-136-527-7472

Query Match Score 1.2%; DB 11; Length 1400;
Best Local Similarity 55.1%; Pred. No. 0, 0004; Mismatches 118; Indels 8; Gaps 1;

Qy 2066 AGAACAAAAGTCCATGGGCTCAAGCTGTAAACAGAAAGAACAGGAAARGATCA 2125
Db 532 AGGGAGAAAGGAGAAGGAGAAGGAGAAGGAGAAGGAGAAGGAGAAGGAGAAG 473

Qy 2126 TAGAATCACAAACAAANAGAGCAGGCCAANAGAGCTCAGAACAGGACAGCAGT 2185
Db 472 AAGAGAGAAAGAAGAGAAGAAGAGAAGAAGAGAAGAAGAAGAAGAAGAAG 415

Qy 2186 GGCTGGAGCATGTCAGCAGGAGGAGGAGCATCATGAGAACAAACTCCAGGAGG 2245
Db 414 AGRCGAGAGCAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2305

Qy 2246 AAAACTGAAAGGGAGGAGCTCAAAAGAGGATGSGCAGAAAGCAGAACACAGG 2332
Db 354 AGAGAGAGAAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAG 295

Qy 2306 AAGACAAAGACAAGCTGGCTGGCTT 2332
Db 294 AAGAGAAAGTCCAGCAGTGGCTT 268

RESULT 11
US-11-136-527-3376/c
; Sequence 3376, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wytch, William M
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Array For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)

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CURRENT APPLICATION NUMBER: US-11/136,527
; PRIORITY FILING DATE: 2005-05-26
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 3336
; LENGTH: 2340
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-3376

Query Match 1.2%; Score 64.2;
Best Local Similarity 55.1%; Fred. No. 0
Matches 147; Conservative 0; Mismatch 0
Qy   2066 AGAAGCAAAAGTCATGGAGCTGAAAGACT
      ||||| | | | | | | | | | | | | | | | |
Db   1512 AGGAGGAAGAGGAGGAAGAAAGAAGAGCAG
      ||||| | | | | | | | | | | | | | | | |
Qy   2126 TAGAATTAGAAAAACAAAAGAGAAGCCCA
      ||||| | | | | | | | | | | | | | | |
Db   1452 AGAAGAAGAGAAAGAAGAAAGAAGAAAGAGA
      ||||| | | | | | | | | | | | | | | |
Qy   2186 CGCTGAGGAGCATGTGCCAGGAGGAGGCC
      ||||| | | | | | | | | | | | | | | |
Db   1394 ACCAGCGAGCACGCCAGAACGAAAGAGAA
      ||||| | | | | | | | | | | | | | |
Qy   2246 AAAAACCTGAAAGGGAGGAGGTGTCAAAT
      ||||| | | | | | | | | | | | | | |
Db   1334 AGAGAGAAAGAGAAAGAAAGAGAGAGAGA
      ||||| | | | | | | | | | | | | |
Qy   2306 AAGCACAGAACAGCTGGTCCGGCTTT
      ||||| | | | | | | | | | | | | |
Db   1274 AAGAAGAGTCAGCAAGACTTGCTCTT
      ||||| | | | | | | | | | | | |
; SEQ ID NO 155
; LENGTH: 3456
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-155

RESULT 12
US-11-136-527-155
; Sequence 155, Application US-11-136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; MOUNTS: William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling
; FILE REFERENCE: 01896-041000 (W101006)
; CURRENT APPLICATION NUMBER: US-11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 155
; LENGTH: 3456
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-155

Query Match 1.2%; Score 63.8
Best Local Similarity 59.6%; Fred. No. 0
Matches 99; Conservative 6; Mismatch 0
Qy   3439 TTAGCGGCAAGTGTGCCAGGTATGGATG
      ||||| | | | | | | | | | | | | | |
Db   434 TTGCGDCCAATGTGGAGCCATAGTCGAG
      ||||| | | | | | | | | | | | | |
Qy   3499 CTGGCCCTTAACAGGGCCAAGTCATAAAC
      ||||| | | | | | | | | | | | |
Db   494 CTGAGATCAAGCTGGTGTGGTCATTCACCT
      ||||| | | | | | | | | | | |
Qy   3559 AAAGGAGAAAGTCAAATGGACAAGTGGGCTC
      ||||| | | | | | | | | | | |
Db   554 GAGGGACAGATCAAGCGAGGAGAGGTTTGG
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RESULT 13	US-11-011-332A-156/c
	i Sequence 156 - Application US/11011332A
	Publication No. US20060024684A1
	GENERAL INFORMATION:
	APPLICANT: Foekens, John
	APPLICANT: Harbeck, Nadia
	APPLICANT: Koenig, Thomas
	APPLICANT: Maier, Sabine
	APPLICANT: Marends, John
	APPLICANT: Mode, Fabian
	APPLICANT: Nimmerich, Inko
	APPLICANT: Rujan, Tamas
	APPLICANT: Schmitt, Manfred
	APPLICANT: Lesche, Ralf
	APPLICANT: Dietrich, Dimo
	APPLICANT: Mueller, Volkmar
	APPLICANT: Kluth, Antje
	APPLICANT: Schwipe, Ina
	APPLICANT: Hartmann, Oliver
	APPLICANT: Adorian, Peter
	TITLE OF INVENTION: PROGNOSTIC MARKER
	TITLE OF INVENTION: BREAST CELL PROLIFERATION
	FILE REFERENCE: 4.7675-99
	CURRENT APPLICATION NUMBER: US/11/011
	PRIOR APPLICATION NUMBER: US 10/517,741
	PRIOR FILING DATE: 2003-10-01
	PRIOR APPLICATION NUMBER: PCT/EP2003/000096
	PRIOR FILING DATE: 2003-10-01
	PRIOR APPLICATION NUMBER: DE 102455779
	PRIOR FILING DATE: 2002-10-01
	PRIOR APPLICATION NUMBER: EP 03090432
	PRIOR FILING DATE: 2003-01-07
	PRIOR APPLICATION NUMBER: DE 10317955
	PRIOR FILING DATE: 2003-04-17
	PRIOR APPLICATION NUMBER: PCT/EP2004/00041
	PRIOR FILING DATE: 2004-12-13
	PRIOR APPLICATION NUMBER: EP 04090380
	PRIOR FILING DATE: 2004-09-30
	PRIOR APPLICATION NUMBER: EP 04090127
	PRIOR FILING DATE: 2004-04-01
	Remaining Prior Application data removed
	NUMBER OF SEQ ID NOS: 158
	SEQ ID NO 156
	LENGTH: 28536
	TYPE: DNA
	ORGANISM: Artificial Sequence
	FEATURE:
	OTHER INFORMATION: Chemically treated
US-11-011-332A-156	
Query Match	1.2%
Best Local Similarity	45.7%
Matches 273;	Conservative
Qy	1561 AAATCGAAAGCAAGACTACTAATTC
Db	6698 ATTCAAACACCAACACAAACAAACAA
Qy	1621 AAAGCAAGAAAAGACTTCTGGATT
Db	6538 CAACCAAAACAAACAAACAAACAAAC
Qy	1681 CTAGAAGGAAACTTCAGATATCAG
Db	6578 AATAAAAARAAAAAARAAAAACARTCTA

Result No.	Score	Query Match	Length	DB ID	Description
1	3285.6	63.2	7247	8	US-10-852-943-84 Sequence 84, App1
2	3285.6	63.2	7247	9	US-10-287-436A-57 Sequence 57, App1
3	3285.6	63.2	7247	9	US-10-287-436A-685 Sequence 685, App1
4	59.550	59.4	7430	7	US-10-450-763-20567 Sequence 20567, App1
5	2884.8	55.5	3466	7	US-10-158-057-33 Sequence 33, App1
6	2843.2	54.7	3319	3	US-09-764-875-88 Sequence 88, App1
7	1882.4	36.2	2067	6	US-10-198-049-887 Sequence 887, App1
8	1630.0	31.4	2874	9	US-10-450-763-20566 Sequence 20566, App1
9	10.550	10.6	5828	7	US-10-398-755-885A-15 Sequence 755, App1
10	507.8	9.8	2017	3	US-09-884-441-72 Sequence 72, App1
11	507.8	9.8	2017	3	US-09-907-869-72 Sequence 72, App1
12	507.8	9.8	2017	3	US-09-827-271-72 Sequence 72, App1
13	507.8	9.8	2017	6	US-10-198-053-72 Sequence 72, App1
14	507.8	9.8	2017	8	US-10-860-790-72 Sequence 72, App1
15	503.6	9.7	568	3	US-09-764-881-55 Sequence 55, App1
16	503.6	9.7	568	3	US-09-764-881-55 Sequence 55, App1
17	503.6	9.7	568	3	US-09-764-875-404 Sequence 404, App1
18	503.6	9.7	568	6	US-10-242-747-55 Sequence 55, App1
19	503.6	9.7	568	6	US-10-158-057-127 Sequence 127, App1
20	462.6	8.9	503	7	US-09-918-995-31258 Sequence 31258, App1
21	291.4	5.6	395	9	US-10-450-763-20563 Sequence 20563, App1
22	264.2	5.1	301	3	US-09-864-761-17146 Sequence 17146, App1
23	263	5.1	263	3	US-09-864-761-17644 Sequence 17644, App1

Db	241	AAACTTTTCAATTCTGGTTACCTCAACCTGTATTAGCACAGATATGGCACTAGC	300	Qy	1482	CGAGGAGGAGGAAGGAATTGAGGGAGGGACTTGAAAGGGAAACTTGAAAGGGAAACG	1541
Qy	402	TGACATGATAATTGATGGAGAATTGGATCAAGTGGAGTTCCATAGCTATACTT	461	Db	1381	GGAGGAGGAGGAAGGAATTGAGGGAGGGACTTGAAAGGGAAACTTGAAAGGGAAACG	1440
Db	301	TGACATGATAATTGATGGAGAATTGGATCAAGTGGAGTTCCATAGCTATACTT	360	Qy	1542	ACAACITGAGTGGGAAGGAATTGAGGGAGGGACTTGAAAGGGAAACTTGAAAGGGAAACG	1601
Qy	462	CAAACITGAGGATAAACAGGATAATCGTACCCCTGCACTTCCCCTGATGAAACGCA	521	Db	1441	ACAACITGAGTGGGAAGGGAACTTGAAAGGGAAACTTGAAAGGGAAACG	1500
Db	361	CAAACITGAGGATAAACAGGATAATCGTACCCCTGCACTTCCCCTGATGAAACGCA	420	Qy	1602	AGAGGACATAGTGTACTGAGAAGGAAGGAAGACTTGAAATTGAAATTGAAACTCT	1661
Qy	522	ACCAGITGCTATTTCATCGGCCAGGTTGGATGGAGGTATGCCAGCATGCCACC	581	Db	1501	AGAGGACATAGTGTACTGAGAAGGAAGACTTGAAATTGAAATTGAAACTCT	1560
Db	421	ACCAGITGCTATTTCATCGGCCAGCACCCTTGTATGGAGGTATGCCAGATGCCACC	480	Qy	1662	AAATGATAAAAAGGATCAAATGAGGGAAACTCTAACAGATCATGAGTGTGATTGCCAC	1721
Qy	582	GCTTACAGCTGTGTCAGTGCCTACAGTGCCTACAGTGGCAATTGATCCAC	641	Db	1561	AAATGATAAAAAGGATCAAATGAGGGAAACTCTAACAGATCATGAGTGTGATTGCCAC	1620
Db	481	GCTTACAGCTGTGTCAGTGCCTACAGTGCCTACAGTGGCAATTGATCCAC	540	Qy	1722	CCAAGGCAAGAAATTGAGGCCAACAAATCTAGAGGTTGAAATTGCGGAARTCAC	1781
Qy	642	CCTAGTATCTCTGTCACACCGCTGTGCCCTGGCTAACGGGGTCCCCCTGT	701	Db	1621	CCAAGGCAAGAAATTGAGGCCAACAAATCTAGAGGTTGAAATTGCGGAARTCAC	1680
Db	541	CCTAGTATCTCTGTCACACCGCTGTGCCCTGGCTAACGGGGTCCCCCTGT	600	Qy	1782	CCATTPACAGGAAACAAATTAGGAAATTACAGGAACTTCAGCAAAATGCTGAACT	1841
Qy	702	TATACAACCTCTGCCATTGCTCATCTGCCATTGCAAGGAACTTCTCTT	761	Db	1681	CCATTPACAGGAAACAAATTAGGAAATTACAGGAACTTCAGCAAAATGCTGAACT	1740
Db	601	TATACAACCTCTGCCATTGCAAGGAACTTCTGCTCATCTGCCATTGCTCTT	660	Qy	1842	ACAGATACCTACATGACCAATTAAAGAACGTTGAGGAAACAGTTGAGGAACT	1901
Qy	762	TAGTAGATCTGGTCAGGGTCAACTAACTAACTAACTAACTAACTTGA	821	Db	1741	ACAGATACCTACATGACCAATTAAAGAACGTTGAGGAAACAGTTGAGGAACT	1800
Db	661	TAGTAGATCTGGTCAGGGTCAACTAACTAACTAACTAACTAACTTGA	720	Qy	1902	TGTTACACTTAAAGAGCCTTGAACCAAAAGAAACTTAGCTGGGAGCACCTPAGGAGCCA	1961
Qy	822	TGTGCCAGTGTGCCACCACTGGCAGACTGGGCTGTCCTGTCATCAAGCTGAAATA	881	Db	1801	TGTTACACTTAAAGAGCCTTGAACCAAAAGAAACTTAGCTGGGAGCACCTPAGGAGCCA	1860
Db	721	TGTGCCAGTGTGCCACCACTGGCAGACTGGGCTGTCCTGTCATCAAGCTGAAATA	780	Qy	1962	ACTGGATGAACTGGGAGAAACTTAGATAAACTAACAGGAGATGATATTTCATAAA	2021
Qy	882	CAGGCAATTATTCAATTGCTCATGACAAAAACTATGAGTGGACACTTAACAGGTTCCCAAGC	941	Db	1861	ACTGGATGAACTGGGAGAAACTTAGATAAACTAACAGGAGATGATATTTCATAAA	1920
Db	781	CAGGCAATTATTCAATTGCTCATGACAAAAACTATGAGTGGACACTTAACGGTCCCAAGC	840	Qy	2022	TCAGCTGAAAGGAACTTAAGGAAATTACACAACTTCAAGAACAACTCCAGAACGAAACT	2081
Qy	942	ARGACTTATTCTATGCGTCAAGTTACACGGCTGCGCTTCAATATGGAACT	1001	Db	1921	TCAGCTGAAAGGAACTTAGAGAAATTACAACTTCAAGAACAACTCCAGAACAAAGTCAT	1980
Db	841	ARGAAACTTATTCTATGCGTCAAGTTACACGGCTGCGCTTCAATATGGAACT	900	Qy	2082	GGAGGGTGAAGGACTGAAACAGAAAGAACAGAAAGAACATAGAAATTAGAAAAACAA	2141
Qy	1002	TTCGACATTGATGAACTGAAAGGAAACTTACAGGAGAAATTATCCGCAATGCACT	1061	Db	1981	GGAGGGTGAAGGACTGAAACAGAAAGAACAGAAAGAACATAGAAATTAGAAAAACAA	2040
Db	901	TTCGACATTGATGCAAGTGGCAACTTACAGGAGAAATTATCCGCAATGCACT	960	Qy	2142	AAAGAGAAAGGCCAGAACAGCTTACAGGAAAGGCAAGGACTGCTGGGAGCATGTGCA	2201
Qy	1062	CATTGATCTAGCTATGCTGGCAACCTCTGCCACCTCTCCCTCCAGATACTTCC	1121	Db	2041	AAAGAGAAAGGCCCAAGAGCAGCTTACAGGAAAGGCAAGGACTGCTGGGAGCATGTGCA	2100
Db	961	CATTGATCTAGCTATGCTGGCAACCTCTGCCACCTTCCCTCCAGATACTTCC	1020	Qy	2202	GCAGGAGGAGGAGGCAATTAGGAACTTACAGGAAAGGAAACTTCAAGAACAAAGGAA	2261
Qy	1122	ACCTCTCTTACAGAGTTGCTGAGTCTGGCAACTCTGCTGAGTCTGAGCT	1181	Db	2101	GCAGGAGGAGGCAATTAGGAACTTACAGGAAAGGAAACTTCAAGAACAAAGGAA	2160
Db	1021	ACCTCTCTTACAGAGTTGCTGAGTCTGGCAACTCTGCTGAGTCTGAGCT	1080	Qy	2262	GGAGAGTGTCAAAGAAAGGAGTGGCAGGAAAAAGGGAAACAGGAGCACAGAACG	2321
Db	961	ACCTCTCTTACAGAGTTGCTGAGTCTGGCAACTCTGCTGAGTCTGAGCT	1020	Qy	2382	CACTGCAAGAAAAGGTTGCACTTACATTACAGGAAATTGAAAGTAAAGTGTGTTATTAA	2441
Qy	1182	AGATCAGGGTACCAAGGGAAACAGTTTACAGAGTAACTACAGGAAATTAGAAAGAA	1241	Db	2161	GCAGAGTGTCAAAGAAAGGAGTGGCAGGAAAGGAAACAGGAGCACAGAACG	2220
Db	1091	AGATCAGGGTACCAAGGGAAACAGTTTACAGAGTAACTACAGGAAATTAGAAAGAA	1140	Qy	2322	GGGTGCGCTTTCATCAACCCAGTGAAGCTGCGCTTCAAGGAACTCTGTCAGGACCTCGTGGTC	2381
Qy	1242	ATTACCTCTTAACGTTGAGATAGAACCGGGGAAACTTTGAGCTGCAACTCTGGAACT	1301	Db	2221	GGGTGCGCTTTCATCAACCCAGTGAAGCTGCGCTTCAAGGAAACCCCTGGTC	2280
Db	1141	ATTACCTCTTAACGTTGAGATAGAACCGGGGAAACTTTGAGCTGCAACTCTGGAACT	1200	Qy	2382	CACTGCAAGAAAAGGTTGCACTTACATTACAGGAAATTGAAAGTAAAGTGTGTTATTAA	2441
Qy	1302	GGAGAACGAAAGCCAAGCTCTCTGGAAACAGGAGGAGGGAGGAGGAGGAGGAGG	1361	Db	2281	CACTGCAAGAAAAGGTTGCACTTACATTTCATGAAATTGAAAGTAAAGTGTGTTATTAA	2340
Db	1201	GGAGAACGAAAGCCAAGCTCTCTGGAAACAGGAGGAGGGAGGAGGAGGAGGAGG	1260	Qy	2442	CGGGGCACCTGACCTCCCTTGAATCAGAACGCAACTTACATTACAGGAAATTGAAAGGAA	2501
Qy	1362	GCTGGAGGG	1421	Db	2341	CGGGGCACCTGACCTCCCTTGAATCAGAACGCAACTTACATTACAGGAAATTGAAAGGAA	2400
Db	1261	GCTGGAGGG	1320	Qy	2502	CATAGTCAT-----GTTGAGTGAAGGCCAAACTCTGGGAGGCTGGGCT	2546
Qy	1422	ACAACTGGAACTCTGGAGGAACTGGAAAGGCAACTCTGGAAAGGAGGAGGAGGAGG	1481	Db	2401	CATAGTCATGTTAAAGGGGAACTGGGAGGCTGAGGAGGAGGAGGAGGAGGAGGAGG	2460
Db	1321	ACAACTGGAACTCTGGAGGAACTGGAAAGGCAACTGGAAAGGAGGAGGAGGAGGAGG	1380				

2547 TGGGAGGAAATTAAAAGGAAAGACAGGGTCCCTGCAACTATCGAGAAATCCC 2606
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2461 TGGGAGGAAATTAAAAGGAAAGACAGGGTCCCTGCAACTATCGAGAAATCCC 2520
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2607 AGAAATGAGGTTCGGCTCAGTGAACACGTGACTGTGATTCAACATCTGCC 2666
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2521 AGAAAATGAGGTTCGGCTCAGTGAACACGTGACTGTGATTCAACATCTGCC 2580
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2667 CAAACGGCCGTTGCGTAGAACCCGTGACTGTGATTCAACATCTGCC 2726
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2581 CAAACCTGGCTTGGCTGAGAACCCGTGACTGTGATTCAACATCTGCC 2640
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2727 GACCCCTTAATAAATCTGGCCGACTCTAACGTGCTCACGCCACAGAAACC 2786
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2641 GACCCCTTAATAAATCTGGCCGACTCTAACGTGCTCACGCCACAGAAACC 2700
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2787 AGAAACGGATAACTGGGATGCGATGGCATGGCTTCCAGTGGCGG 2846
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2701 AGAAACGGATAACTGGGATGCGATGGCATGGCTTCCAGTGGCGG 2760
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2847 CCAGTAAAGCAGGAGGTCCGTTTACTCCAGCCACGSGCCTACTGGCTCC 2906
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2761 CCAGTAAAGCAGGAGGTCCGTTTACTCCAGCCACGSGCCTACTGGCTCC 2820
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2907 TGTGCTAGGCACGGTGAAGAAGTGGAGGGCTACAGCTAACGGCTATCTCTGGAG 2966
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2821 TGTGCTAGGCACGGTGAAGAAGTGGAGGGCTACAGCTAACGGCTATCTCTGGAG 2880
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2967 AGCCAAAAGAACCAACCACTTAATTAAACAAAAAATGATGTCATACCGTCTGGAAACA 3026
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2881 AGCCAAAAGAACCAACCACTTAATTAAACAAAAAATGATGTCATACCGTCTGGAAACA 2940
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3027 GGAGACATGTGTGGTTGGCAAGTCAAGTCAGAGGTGGTGTCCCAAGTCATA 3086
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 2941 GGAGACATGTGTGGTTGGCAAGTCAAGTCAGAGGTGGTGTCCCAAGTCATA 3000
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3087 CGTGAACCTATTCAAGGCCATAAAAGGAACTACAGCATGATCTGGTCTTCAGA 3146
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3091 CGTGAACCTATTCAAGGCCATAAAAGGAACTACAGCATGATCTGGTCTTCAGA 3060
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3147 GACTCCCTCTAATCTAAAGCAGTAGGCCCTCTCCAGCAGCCAAGCGGTCTGGTCTGGAGA 3206
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3061 GACTCCCTCTAATCTAAAGCAGTAGGCCCTCTCCAGCAGCCAAGCGGTCTGGAGA 3120
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3207 A-----3207
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3121 AGAATTATTGGCATGTACACTACAGAGGTTCAGGAAAGGAGATTAACTTTCAGCA 3180
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3208 -----3208
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3181 AGGGATGTGATTGGTACCAAGAAAGATGGTACTGGACAGGAAACAGTGGGAA 3240
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3208 -----3208
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3301 TGCTGGAAAACAGGGAGTTAGGAAAAAACCTGAAATTGCCAGGTATTGCCCTCAT 3360
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3234 CACGGCCACGGCCCCGAGAGCTCACTCTGGCCCTGTCAGCTGGTATTCAGA 3223
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3361 CACGGCCACGGCCCCGAGAGCTCACTCTGGCCCTGTCAGCTGGTATTCAGA 3420
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3294 AAAAGAACCCGGCTGGATGTTGGAGGGAGCTGGCAAGAACGTCGGAAAGGCCAGT 3353
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3421 AAAGAACCCGGCTGGATGTTGGAGGGAGCTGGCAAGAACGTCGGAAAGGCCAGT 3480
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3354 AGGTGGTCCAGTAAATTATGTAAGCTTCAAGCTTCAAGCTTCAAGCTTCACTCC 3413
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 3481 AGGTGGTCCAGTAAATTATGTAAGCTTCAAGCTTCAAGCTTCAAGCTTCACTCC 3540
 Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Qy ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

582	GCCTACAGCTGGTTGCTCCAGTGGCCAATGGGATCCATTCCAACTTGTGGATGTCCTCAAC	641	Db	1561	AATGATAAAGCATTAACCTAGAAGGAAAACCTTCAGATATCAGATGTCGATTCAGGCCAC	1620
481	GCTTACAGCTGGTTGCTCCAGTGGCCAATGGGATCCATTCCAACTTGTGGATGTCCTCAAC	540	Qy	1722	CCAAAGGGCGAGAAATTGAGGACCAAACAAACTGAGCTTCAAGTTGGGAATTCAC	1781
642	CCTAGTATCTCTGTTGCTCCAGCAGCTGTCATCCGGGCTTCCCTGCTAACGGGGTCTCCTGT	701	Db	1621	CCAAAGGGAGAAATTGAGGACCAAACAAACTGAGCTTCAAGTTGGGAATTCAC	1680
541	CCTACTATCTCTGTTGCTCCAGCAGCTGTCATCCGGGCTTCCCTGCTAACGGGGTCTCCTGT	600	Qy	1782	CCATCTACGCAACAAATTACAGGAATCTCAGGAAATCTCAGGAACTTCCAGAAAA	1841
702	TATAGAACCTTGCTGCTGCTGCTGCTGCTGCTGAGCTTCTCTGAGCTTCAAGTCACTTCTCCT	761	Db	1681	CCATCTACGCAACAAATTACAGGAATCTCAGGAAATCTCAGGAACTTCCAGAAAA	1740
601	TATACAACCTCTGCTGCTGCTGCTGCTGCTGAGCTTCTCTGAGCTTCAAGTCACTTCTCCT	660	Qy	1842	ACAGATCTCAATGACCAATTAAACAGTTCAAGGAACTTCTCAGGAACTTCCAGGATTC	1901
762	TAGTAGATCTGTCAGGGTACAACTAAATTAGAAAAGGCCAGACTCATTTGA	821	Db	1741	ACAGATCTCAATGACCAATTAAACAGTTCAAGGAACTTCTCAGGAACTTCCAGGATTC	1800
661	TAGTAGATCTGTCAGGGTACAACTAAACATTTACAAAGGCACTGCTATTGA	720	Qy	1902	TGTTACACTAAAGAGCCTTAAAGAAAAGACTAGCTGGGAGCACCTACGAGCCA	1961
822	TGTGCCACTGTCCCACCACTGGCAGAGTGGGCTGTTCTAGTGTCAAGACTGAAATA	881	Db	1801	TGTTACACTTAAAGGCCTTAAAGGAAAGACTCTGGGAGCACCTACGAGGCCAC	1860
721	TGTGCCACTGTCCCACCACTGGCAGAGTGGGCTGTTCTAGTGTCAAGCTGAATA	780	Qy	1962	ACTGGATGAACTGGGAGAAAACCTACAGGATTTGATAATTTCATATAA	2021
882	CAGGAATTATTCATAGTCATGTCAGAAACTATGACTGGGAACTTCAAGGTCCCCAGC	941	Db	1861	ACTGGATGAACTGGGAGAAAACCTACAGGATTTGATAATTTCATATAA	1920
781	CAGGAATTATTCATAGTCATGTCAGAAACTATGACTGGGAACTTCAAGGTCCCCAGC	840	Qy	2022	TGAGCTGAGGACTACTAGAGATAACATAAGGAAACTCTGAGCAAAACTCCAT	2081
942	AGAACTATTCTTATGTCAGTTACCCAGGGTCACTGGGTCAATTATGGAACTCT	1001	Db	1921	TGAGCTGAGGACTACTAGAGATAACATAAGGAAACTTCAAGGAAACTTCCAT	1980
841	AGAACTATTCTTATGTCAGTTACCCAGGGTCACTGGGTCAATTATGGAACTCT	900	Qy	2082	GGAGGCTGAACTGGCTGAAACAGAAAGACAAAGGAAACTGAGAAAGATA	2141
1002	TTCGACATCTGATCAAGATGAAACCTTACGGGAAATTCTGGGAAATGGACCT	1061	Db	1981	GGAGGCTGAACTGTGAACTGAGAAAGGAAAGGAAAGGAAAGGAAAGGAA	2040
901	TTCGACATCTGATCAAGATGAAACCTTACGGGAAATTCTGGGAAATGGACCT	960	Qy	2142	AAAAGAAAAGGCCAAAGAGGAGCTTCCAGGAAGGGAAAGCAGACTGGCATGTGCA	2201
1062	CATGATGTAAGCTATGTCAGGTTCTCTCAGGGTCACTGGGTCAATTATCTCC	1121	Db	2041	AAAAGAAAAGGCCAAAGAGGAGCTTCCAGGAAGGGAAAGGAAAGGAAAGGAA	2100
961	CATGATGTAAGCTATGTCAGGTTCTCTCAGGGTCACTGGGTCAATTATCTCC	1020	Qy	2202	GGAGAGTGTCAAAGAGGATGGGAGAAACAGGAAACAGGAAAGGAAAGGAA	2261
1122	ACCTCTCTTTAGAAGGTTCTGCTGCTGCTCATAGCTAACATCTGT	1181	Db	2101	GGAGGAGGAGGCTTCCATGAGGAAAGGAAAGGAAAGGAAAGGAAAGGAA	2160
1021	ACCTCTCTTTAGAAGGTTCTGCTGCTGCTGCTCATAGCTAACATCTGT	1080	Qy	2262	GGAGAGTGTCAAAGAGGATGGGAGAAACAGGAAACAGGAAAGGAAAGGAA	2321
1182	AGATCAGAGSCTTACCAAGGAAACCAGGTTAGAAGATGACAACAACTTAAAGAA	1241	Db	2161	GGAGAGTGTCAAAGAGGATGGGAGAAAGGAAAGGAAAGGAAAGGAA	2220
1081	AGATCAGAGSCTTACCAAGGAAACCAGGTTAGAAGATGACAACAACTTAAAGAA	1140	Qy	2322	GGSTCGCCTTTCATCAACACCAAGAACCCGCTAACCGCTAACCTGGGTC	2381
1242	ATTACCTGTAAGCTCTCTGGAAACACAGCCCTGGAACT	1301	Db	2221	GGSTCGCCTTTCATCAACACCAAGAACCCGCTAACCGCTAACCTGGGTC	2280
1141	ATTACCTGTAAGCTCTGGTGTGAGATAAAAGGGGAAACTTCAACCTGGAACT	1200	Qy	2382	CAC TGCGAGAAAGGTGACCTTACCATTTCTGAGCAAGGAAACTATGGTCTATA	2441
1302	GAGAAACGGAGGAAAGCTCTGGAAACACAGCCCTGGAACT	1361	Db	2281	CAC TGCGAGAAAGGTGACCTTACCATTTCTGAGCAAGGAAACTATGGTCTATA	2340
1201	GAGAAACGGAGGAAAGCTCTGGAAACACAGCCCTGGAACT	1260	Qy	2442	CCGGGGCCTGTACCCCTTGAATCCAGAAAGCCATGTAAGAAATCTACTATCAGCCAGGAGA	2501
1362	GCTGAGCGCCGGAGCAGGAGCAGGAGGAGCAGGAGCAGGGCAAGGGAAAAAG	1421	Db	2341	CGGGGCTGTACCCCTTGAATTAACCTTCAGCCAGGAGA	2400
1261	GCTGAGCGCCGGAGCAGGAGCAGGAGCAGGAGCAGGGCAAGGGAAAAAG	1320	Qy	2502	CATAGTCAT-----	2546
1422	ACACTGGAACTTGAGAAGAACTGAGAAAGCAGGGCAAGGGAAACCTGGCAAG	1481	Db	2401	CATAGTCATGGTTAAAGGGAACTGGGATGAAAGGCAAACTATGGGATCTCC	2460
1321	ACACTGGAACTTGAGAAGAACTGAGAAAGCAGGGCAAGGGAAACCTGGCAAG	1380	Qy	2547	TGAGGGAGAAATTAAAGGAAAGACGGGTGGTCTCTGGCAACTATGGAGAAATTC	2606
1482	GAGAGGAGCAAGAAAGGAAATTGAGGGAGGAGCTGGCAAGGAAACCTGGCAAG	1541	Db	2461	TGAGGGAGAAATTAAAGGAAAGACGGGTGGTCTCTGGCAACTATGGAGAAATTC	2520
1381	GAGAGGAGCAAGAAATTGAGGGAGGAAACCTGGCAAGGGAAACCTGGCAAG	1440	Qy	2607	AGRAAATGAGGTCCCTCCATGAACTGACTGAGTCATGTCCTGGCCCC	2666
1542	ACACCTGTGAGCTGGGAAACGGAAATCGAGGCAAGGAACACTAAATCAAGAACAAAGAACAA	1601	Db	2521	ACAAAATGAGGTTCCCTCCATGAAACCTGGTCTCTGGCCCC	2580
1441	ACACCTGTGAGCTGGGAAACGGAAATCGAGGCAAGGAACACTAAATCAAGAACAAAGAACAA	1500	Qy	2667	CAAACCTGGCCCTTGGTGAAGACCCGCCCTTGGCAACTCTTCAGAGCCCTCCAC	2726
1602	AGAGGACATAGTTGTTACTGAGGCAAGGAAAGACTTGGGAATTGAGAGCTCT	1661	Db	2581	CAAACCTGGCCCTTGGTGAAGACCCGCCCTTGGCAACTCTTCAGAGCCCTCCAC	2640
1501	AGAGGACATAGTTGTTACTGAGGCAAGGAAAGACTTGGGAATTGAGAGCTCT	1560	Qy	2727	GAACCTTAATACCTGGGCCGATTCACTCCAGGAACTAGAGGAAACCTGGAGAACCC	1721

RESULT 3
US-10-287-436A-685
Sequence 685, Application US/10287436A
; Publication No. US005030242A1

GENERAL INFORMATION:
 ; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER
 ; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF
 ; TREATMENT OF RHEUMATOID ARTHRITIS
 ; CURRENT APPLICATION NUMBER: US/10/287-436A
 ; CURRENT FILING DATE: 2002-10-31
 ; PRIORITY APPLICATION NUMBER: US 60/336,220
 ; PRIORITY FILING DATE: 2001-10-31
 ; NUMBER OF SEQ ID NOS: 1446
 ; SOFTWARE: FASTSEQ For Windows Version 4.0
 ; SEQ ID NO: 685
 ; LENGTH: 7247
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-287-436A-685

Query Match	Score 3285.6;	DB 9;	Length 7247;
Best Local Similarity 93.8%; Pred. No. 0; Matches 3536; Conservative	0; Mismatches 4; Indels 228; Gaps 2;		
Qy 102 GCGTCCAGGCGCTGGGCGTGAAGCCACTGGCTCAGTTGCTGGAG 2966			
Qy 162 CGCCCGGAGATGAGGGCGTGAAGCTGGGCGCTGGGCGCAGGCCGACCC 161			
Qy 61 CGCCCGGAGATGAGGGCGTGAAGCTGGGCGCTGGGCGCAGGCCGACCC 60			
Db 1 AACACCTTTGGTGGCAAGCTGGCTGGATATCTGGCCATTAAGCTGGAAAGCAAGCAAGCA 3086			
Qy 222 TGATCAGCAAGTTCATAGCTTAAAGCCAATATCTGGATTCAGCTAG 281			
Db 121 AACACCTTTGGTGGCAAGCTGGCTGGATATCTGGCCATTAAGCTGGAAAGCAAGCAAGCA 3060			
Db 3061 GAGTCTGTGCTGAGCTTAAGCGAGTAGCTCCAGCGCCAGCTGGAGA 3120			
Db 3207 Qy 3060			
Qy 3147 CAGTCTGTGCTGAGCTTAAGCGAGTAGCCCTCTCCAGCGCCAGCCAGCGCTGTTGCGAGA 3206			
Db 3208 -			
Qy 3181 AGGGGATGTGATTCTGGTTACCAAGAAAATGGTACTGGTACAGGGCTCTGGAG 3240			
Db 3209 -			
Qy 3241 CAAGGGGGAGCTTCCCTCTAACCTATGTGAGGTAAAGATTCAAGGGCTCTGGAAAC 3300			
Db 3208 -			
Qy 3301 TAGCTGGAAAAAGGGGAGTTAGGAAAAAAACCTGAAATTGGCTGCATA 3233			
Db 3234 CACCGCCACCCCGCCAGCAGCTCACTCTGCCCTCTGGTAGCTGATTGTATCGAA 3293			
Qy 3361 CACCGCCACCCCGCCAGCAGCTCACTCTGCCCTCTGGTAGCTGATTGTATCGAA 3420			
Db 3294 AAAGAACCCAGGGTGGAAAGGAGAGTGTGCAAGCACGTGGAAAAGGCCAGAT 3353			
Db 3421 AAAGAACCCAGGGTGGAAAGGAGAGTGTGCAAGCACGTGGAAAAGGCCAGAT 3480			
Qy 3354 AGGCTGGTTCCAGCTTAATTGTAAAGCTTCAAGCCCTGGAGCAAAATCACTCC 3413			
Db 3481 AGGCTGGTTCCAGCTTAATTGTAAAGCTTCAAGCCCTGGAGCAAAATCACTCC 3540			
Qy 3414 AACAGACCCACTTAAGCTAACGCCATAGCGCAGTGTGGATGTGAGA 3473			
Db 3541 AACAGACCCACTTAAGCTAACGCCATAGCGCAGTGTGGATGTGAGA 3600			
Qy 3474 CTACACCGCCAGAATGAGCTGGCTGGAGCTGAGCTGGCTCAAGGGCCAGATCAACCGTCT 3533			
Db 3601 CTACACCGCCAGAATGAGCTGGCTGGAGCTGAGCTGGCTCAAGGGCCAGATCAACCGTCT 3660			
Qy 3534 CAACAAGGGGACCCCTGAGCTGGAGCTGGAGAGTCAATGGACAATGGGCTCTTCCC 3593			
Db 3661 CAACAAGGGGACCCCTGAGCTGGAGAGTCAATGGACAATGGGCTCTTCCC 3720			
Qy 3594 ATCCAATTATGTGAAGCTGACCCAGACATGCCAACGCAATGCCAACAT 3641			
Qy 3721 ATGCCAATTATGTGAAGCTGACCCAGACATGCCAACGCAATGCCAACAT 3768			

RESULT 4
US-10-450-763-20567
; Sequence 20567, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790C13/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30

Qy 2957 AGCCAAAAAGACACCAACTTAATTAAACAAAATGATGTCACTACCGTCCGGAAACA 3026
Db 2881 AGCCAAAAAGACACCAACTTAATTAAACAAAATGATGTCACTACCGTCCGGAAACA 2940
Qy 3027 GCAAGACATGTGGTGGTTGAGAAGTCAAGTCAGAGGCTTCCCAGTCCTTA 3086
Db 2941 GCAGACATGTGGTGGTTGAGAAGTCAAGTCAGAGGCTTCCCAGTCCTTA 3000
Length: 7435
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: SIMILAR
; NAME/KEY: SIMILAR
; LOCATION: (263)-(2356)
; OTHER INFORMATION: 66% homologous to Rattus norvegicus EH-domain/SH3-domain
; SEQ ID NOS: 60736
; SOFTWARE: Custom
; SBQ ID NO: 20567
; OTHER INFORMATION: containing protein, accession number AFJ32672; Smith-Waterman scor
; US-10-450-763-20567

Query Match 59.4%; Score 3090.6; DB 9; Length 7435;
Best Local Similarity 91.9%; Pred. No. 0;
Matches 3573; Conservative 0; Mismatches 54; Indels 260; Gaps 19;

Qy 15 GTAAECCGGCTCGGAGGAGAAATCCGAAGCGGCCCTCGGGACGGACAGAGGGGGCG 74
Db 70 GTACGGCGCTTCGGAGAATTCGGCTCCGGACGGACAGAGGGGGCG 1299
Qy 75 GGATGGTGTGGGGCTGGGCTGGCTCTGGCTGGCTGGCTGGGACTGTA 134
Db 130 GGATGGTGTGGGGCTGGGCTGGCTCTGGCTGGCTGGCTGGGACTGTA 189
Qy 135 TTGTCCTCCGGGGCGAGCGGCCGCCGGAGAATGGGGCTGATTAGCAAGGTTA 194
Db 190 TTGTCCTCCGGGGCGAGCGGCCGCCGGAGAATGGGGCTGATTAGCAAGGTTA 249
Qy 195 AAGTACAGACCACTATGGCTGAGTTCACCCAAACCCCTTGTCGGCTGGCC 254
Db 250 AAGTACAGACCACTATGGCTGAGTTCACCCAAACCCCTTGTCGGCTGGCC 309
Qy 255 CATACTGTAGAGAAAGCCGAACCATGATCAGAGTCACATTTAACGCATATC 314
Db 310 CATACTGTAGAGAAAGCCGAACCATGATCAGTCATGTTAACGCATATC 369
Qy 315 TGGATTCAATTACTGGTGTAACTGTTACCTGGTTACCTCAACC 374
Db 370 TGGATTCAATTACTGGTGTAACTGTTACCTGGTTACCTCAACC 429
Qy 375 TGTITTAGCACAGATATGGCACTAGTCGACATGAAATGATGGRAATGGTCAAGT 434
Db 430 TGTTTTAGCAGATATGGCACTAGTCGACATGAAATGATGGRAATGGTCAAGT 489
Qy 435 GGAGTTTCCATAGCTGATGAAACTTACAACTGGACTTACAGGATATGCTACCTC 494
Db 490 GGAGTTTCCATAGCTGATGAAACTTACAACTGGACTTACAGGATATGCTACCTC 549
Qy 495 TGCACCTCCCTGTCAAGAACGAAACCGATGCTATTTCAGGACCAAGCATTTGG 554
Db 550 TGCACCTCCCTGTCAAGAACGAAACCGATGCTATTTCAGGACCAAGCATTTGG 609
Qy 555 TATGGAGGTATGCCAGATGCCACCGCTTACAGTCGTCAGTCCAGGCAATGGGATC 614
Db 610 TATGGAGGTATGCCAGATGCCACCGCTTACAGTCGTCAGTCCAGGCAATGGGATC 669
Qy 615 CATT-CCAGTGTGGAAATGTCTCAACCTAGTATCTCTGTCAGGCTGTGTC 673
Db 670 CATTCCTGGAAATGTCTCAACCTAGTATCTCTGTCAGGCTGTGTC 729
Qy 674 CCCCTGGCTAACGGGGCTCCCTGTATACAACTCTGCTGATTTGTCATCTG 733
Db 730 CCCCTGGCTAACGGGGCTCCCTGTATACAACTCTGCTGATTTGTCATCTG 789
Qy 734 CAGCCACATTGCCAAAGAGTCTCTCCCTTTAGTAGATCTGCTCAGGGTCAACACTAAACA 793
Db 790 CAGCCACATTGCCAAAGAGTCTCTCCCTTTAGTAGATCTGCTCAGGGTCAACACTAAACA 849

CURRENT FILING DATE: 2002-06-12
 Prior Application removed - See File Wrapper or Palm
 NUMBER OF SEQ ID NOS: 364
 SOFTWARE: Patentin Ver. 2.0
 SEQ ID NO: 33
 LENGTH: 3466
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: misc_feature
 NAME/KEY: misc_feature
 LOCATION: (3194)
 OTHER INFORMATION: n equals a,t,g, or c
 FEATURE: misc_feature
 NAME/KEY: misc_feature
 LOCATION: (3465)
 OTHER INFORMATION: n equals a,t,g, or c
 US-10-158-057-33

	Query	Match	Score	DB	Length	Other
	Best Local Similarity	Pred. No.	Mismatches	Indels	Gaps	
	Matches 2908;	Conservative	0;	2;	12;	
Db	3010 GGTAAAGGGTCAAGCTTCCGGGCTATCCCTGGAGGCCAAAAAGA	3069				
Qy	2979 CAACCACTAAATTAAACAAAATGATGTCATCACCTCCCTGAACAGCAGACATGT	3038				
Db	3070 CAACCACTAAATTAAACAAAATGATGTCATCACCTCCCTGAACAGCAGACATGT	3129				
Qy	3039 GTGTTTGAGAAGCTCAAGTCAGGTCAGAAGGGTGTCCCAACTCTAACGTGAAACTCAT	3098				
Db	3130 GTGTTTGAGAAGCTCAAGTCAGGTCAGAAGGGTGTCCCAACTCTAACGTGAAACTCAT	3189				
Qy	3099 TTCAAGCCCCATAAGGAAGCTAACAGCAT-GATTCTGGTTCTCAAGAGTCCTGTCA	3157				
Db	3190 TTCAAGCCCCATAAGGAAGCTAACAGCAT-GATTCTGGTTCTCAAGAGTCCTGTCA	3249				
Qy	3158 GTCTAAAGGGAGTAGGCTTCCACAGGCCAAGGGGACTTCCGGAGAGAGATT-----	3213				
Db	3250 GTCAAGGGCCATAAGGAAGCTAACAGCATGGGATTATT	3309				
Qy	3214 -----	3213				
Db	3310 GCCATTACATTACAGGAGTTCTGAGGAGGGATAAACCTTTCAGCCAGGGCA	3369				
Qy	3214 -----	3213				
Db	3370 TGTGATTGGTACCAAGAAAGATGGGACTTGTGGACAAGAACAGGGCTCTGGAAACTCTG	3429				
Qy	3214 -----	3213				
Db	3430 CCGAGTCTCCCTCTAACATATGTGAGCTTAAGATTCAAGGGCTCTGGAAACTCTG	3489				
Qy	3214 -----	3213				
Db	3490 GGAAACAGGGAGTTAGGAAAAAAACCTGAAATTCGCCCCAGGTATGCCCTCATACACC	3549				
Qy	3238 GGCACGGGCCCCGGAGCTCACTCTGCCCTSGTCAGCTGATTGTCATGCCGAAAAG	3297				
Db	3550 GGCACGGGCCCCGGAGCTCACTCTGCCCTSGTCAGCTGATTGTCATGCCGAAAAG	3609				
Qy	3298 AA-CCAGGGGGATGGTGGGAAAGGAGCTGGAAAAGGCCGATAGG	3356				
Db	3610 AACCCAGGGGATGGGAAAGGAGCTGGGAAAGGCCGATAGG	3669				
Qy	3357 CTGGTCCCAGCTTAATTATGTTAAAGCTCTTAAGCCCTGGAGGACCAAAATCACTCCAC	3416				
Db	3670 CTGGTCCCAGCTTAATTATGTTAAACCTTAACTCCAC	3779				
Qy	3417 AGAGCCACTTAAGTCAAGCATTAGGGCAAGCTGGTGTGAGCTCA	3476				
Db	3730 AGAGCCACTTAAGTCAAGCATTAGGGCAAGCTGGTGTGAGCTCA	3789				
Qy	3536 ACAAGGGGACCTGACTGTGGTGGAAAGGAGAGTCATGAAACTGGGCTCTTCCCAT	3595				
Db	3850 ACAAGGGGACCTGACTGTGGTGGAAAGGAGAGTCATGAAACTGGGCTCTTCCCAT	3909				
Qy	3477 CCAATTATGTCAGGTGACCCAGACAT-GGACCCAAGGCCAAATG	3641				
Db	3790 CACCGGGCAGATGAGATGAGCTGGCTTCAACAGGGCCAGTCAACCTCTCA	3849				
Qy	3536 ACAAGGGGACCTGACTGTGGTGGAAAGGAGAGTCATGAAACTGGGCTCTTCCCAT	3595				
Db	3850 ACAAGGGGACCTGACTGTGGTGGAAAGGAGAGTCATGAAACTGGGCTCTTCCCAT	3909				
Qy	3596 CCAATTATGTCAGGTGACCCAGACAT-GGACCCAAGGCCAAATG	3641				
Db	3910 CCAATTATGTCAGGTGACCCAGACAT-GGACCCAAGGCCAAATG	3956				
Qy	3596 CCAATTATGTCAGGTGACCCAGACAT-GGACCCAAGGCCAAATG	3641				
Db	3910 CCAATTATGTCAGGTGACCCAGACAT-GGACCCAAGGCCAAATG	3956				

RESULT 5
 US-10-158-057-33
 Sequence 33, Application US/10158057
 Publication No. US20040014039A1
 GENERAL INFORMATION:
 APPLICANT: Rosen et al.
 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 FILE REFERENCE: PJJ05CL
 CURRENT APPLICATION NUMBER: US/10/158, 057

Qy	795	TAATTACAAAGGCACAGTCATTGATCTGGCCAGTUTCCCACCACTGGCAGAGTGGC	854	1863 AAAACAAGTTAGCAGAGAACAGTTGCACAGAGATTCACITGTACTTAAAGAGCCTT	1922
Db	864	TAATTACAAAGGCACAGTCATTGATCTGGCCAGTUTCCCACCACTGGCAGAGTGGC	923	1944 AAAACAAGTTAGCAGAGAACAGTTGCACAGAGATTCACITGTACTTAAAGAGCCTT	2003
Qy	855	TGTTCCCTAGTCATCAAGACTGAATAAGGMAATTATTCAATAGTCATGAAAACTAT	914	1923 AGAAGCAAAAGAACTAGCTCGCGAGCACCTAGCAGAACCTAGCAGAACCTAGCAG	1982
Db	924	TGTTCCCTAGTCATCAAGACTGAATAAGGMAATTATTCAATAGTCATGAAAACTAT	983	2004 AGAAGCAAAAGAACTAGCTCGCGAGCACCTAGCAGAACCTAGCAGAACCTAGCAG	2063
Qy	915	GACTGGACACTAAC-----AGGTCCCCAACGCAAGAACATTCTTATGAGTC	962	1983 AACTAGATCAAACCTACAGGAACTAGATATTCTATATAGCTGGACTATAGCA	2042
Db	984	GACTGGACACTAACAGGTTCCCTAGTCATGAAACTCTTATGAGTC	1043	2064 AACTAGATCAAACCTACAGGAACTAGATATTCTATATAGCTGGACTATAGCA	2123
Qy	963	AAGTTAACACAGGCTCGCTGGCTTAATATGAAATTCTGACATGTGATCAAGTGG	1022	2043 AATAACGATATAAGCAACATCAGAACAGAAAGTCTAGAGGAACTGAACAA	2102
Db	1044	AAGTTAACACAGGCTCGCTGGCTTCATGAAATTCTGACATGTGATCAAGTGG	1103	2124 AATACGATATAAGCAACATCAGAACAGAAAGTCTAGAGGAACTGAACAA	2183
Qy	1023	AAACTTACAGCAGGATTATCCTGGCAATTGACCTCATGATGAGCTGTTG	1082	2103 GAAAGCAAAAGAAAGATCATGAGATTGAAAACAAAGAAAGGAAAGCCAAAGAC	2162
Db	1104	AAACTTACAGCAGGATTATCCTGGCAATTGACCTCATGATGAGCTGTTG	1223	2184 GAAAGCAAAAGAAAGATCATGAGATTGAAAACAAAGAAAGGAAAGCCAAAGAC	2243
Qy	1143	ATCTGGCAGTGGPATACTTGTCATAAGCTCAAGATCTGATCTAGATCAGGGCTAC	1202	2163 ACCTTACGAAAGGCCACAGGCTGGCTGGAGCTGCTGGAGCTGAGNGCATCAGAG	2222
Db	1224	ATCTGGCAGTGGPATACTTGTCATAAGCTCAAGATCTGATCTAGATCAGGGCTAC	1283	2203 TGGCGAGGAAAPAGGCAAAACAGGAAGCACAGAACAGCTGGCTTTCATCAACA	2342
Qy	1203	ACCAGTTTAGATGACAACACATTAGAAAGAAATTCTGAACTGTTGAGA	1262	2244 AGCTTACGAAAGGCCACAGGCTGGAGCTGGTGGAGCATGTCAGGAACTGAG	2303
Db	1284	ACCAGTTTAGATGACAACACATTAGAAAGAAATTCTGAACTGTTGAGTGTG	1343	2223 ACCAGAAAATCTCAACAGGAAAAACTGAAAGGAGGAGATGTCAAAGAGGA	2282
Qy	1253	TAGAAGGGGGAGAACCTGAACTGGGAAACCTGGCAATTGAACTGTTGAGA	1322	2304 ACCAGAAAATCTCAACAGGAAAAACTGAAAGGAGGAGCTCAAAGAGGA	2363
Db	1344	TAGAAGGGGGAGAACCTGGCAACATTGAAAGAAATTCTGAACTGTTGAGA	1403	2283 TGGCGAGGAAAPAGGCAAAACAGGAAGCACAGAACAGCTGGCTTTCATCAACA	2423
Qy	1323	CCTGGAAACAGCAGCAGGCCAGGGAGGGCTGGCCAGCTGGGGAGCAGGA	1382	2364 TGGCGAGGAAAPAGGCAAAACAGGAAGCACAGAACAGCTGGCTTTCATCAACA	2423
Db	1404	CCTGGAAACAGCAGCAGGCCAGGGAGGGAGCTGGGGAGCAGGA	1463	2403 TACCAATTCTGAGCAGAAAATGTAAGAATGTTTACCCGGCCTGTACCCCTTGA	2462
Qy	1383	GAGGAAGGAGCGCTGAGCCOCAGGAGCAGGCCAAAGAACACTGGAAAGAGCA	1442	2443 CCAGAACCCAGTAAGCAGCTGGTCCAGGACCCCTGGTCACTGAGAAAGTCGACT	2402
Db	1464	GAGGAAGGAGCGCTGAGCCOCAGGAGCAGGCCAAAGAACACTGGAAAGAGCA	1523	2484 TACCAATTCTGAGCAGAAAATGTAAGAATGTTTACCCGGCCTGTACCCCTTGA	2543
Qy	1443	ACTGGAAAGAACGGGAGCTGAAAGCAGGAGAACCTGGAAACATTGAA	1502	2424 CCAAGAACCCAGTAACCCGGCTGGCTCAGGAACTCCACTGAGAAAAGTCGACT	2483
Db	1524	ACTGGAAAGAACGGGAGCTGAAAGCAGGAGAACCTGGAAACATTGAA	1583	2403 TACCAATTCTGAGCAGAAAATGTAAGAATGTTTACCCGGCCTGTACCCCTTGA	2603
Qy	1503	GAGGGCAGAGGGCTGCAAAACGGGAACTCTGAAAGGCCAACGACAATCTG	1562	2523 CCAAACCTGGAGAACCCGGCTGCCTGAGGAGAAATTAAAGGAAAGCAGGGCTGCC	2582
Db	1584	GAGGGCAGAGGGCTGCAAAACGGGAACTCTGAAAGGCCAACGACAATCTG	1643	2604 CGAACACTGGAGACCCGGCTGCCTGAGGAGAAATTAAAGGAAAGCAGGGCTGCC	2663
Qy	1563	TGCAAGGGAGAACACTTAATCAAGAACAAAGAACATAGTGTACTGAA	1622	2643 TGATTCACACATCTGGCCCTGCCAAACTGGCTTTCAGTGGCTTTCAGTGGCT	2702
Db	1644	TGCAAGGGAGAACACTTAATCAAGAACAAAGAACATAGTGTACTGAA	1703	2724 TGATTCACACATCTGGCCCTGCCAAACTGGCTTTCAGTGGCTTTCAGTGGCT	2783
Qy	1633	AGAGGGAAAATCTCAAGATCTGAAAGGAAAGAACATAGTGTACTGAA	1742	2703 ACTAACCTCTTCAGAGCCCTTAATAACTGGCCGCACTTCAGTGGCT	2762
Db	1704	AGAGGGAAAATCTAGAGGTTGAAATTGCAACCAATTCTAGCAAACTTA	1682	2784 ACTAACCTCTTCAGAGCCCTTAATAACTGGCCGCACTTCAGTGGCT	2843
Qy	1743	CACAAACAAATCTAGAGGTTGAAATTGCAACCAATTCTAGCAAACTTA	1802	2763 GCCCACCCAGCAGAACGAAACCCGAAACGGATAACTGGGATGCTGGCCAGC	2822
Db	1824	CACAAACAAATCTAGAGGTTGAAATTGCAACCAATTCTAGCAAACTTA	1883	2844 GCCCACCCAGCAGAACGAAACCCGAAACGGATAACTGGGATGCTGGCCAGC	2903
Qy	1803	GGATCTCAGCAAAATGCTGGAAACTTCCAGAAACACATACTCAATGACCAATT	1862	2823 CTCCTCACCGPTCAAGTGCCTGGAGGCTGGCTTACTCCAGCAGCAC	2882
Db	1884	GGATCTCAGCAAAATGCTGGAAACTTCCAGAAACACATACTCAATGACCAATT	1943	2904 CTCCTCACCGPTCAAGTGCCTGGAGGCTGGCTTACTCCAGCAGCAC	2963
Qy				2883 GGCACTGGCTCTCCCGCTCTGCTAGGCAGGGTGA	2924
Db				2964 GGCACTGGCTCTCCCGCTCTGCTAGGCAGGGTGA	3005

RESULT 6
US-09-720-934-1.rnpbm

Sequence 88, Application US/0764875
Publication No. US20040018969A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: P1202

CURRENT FILING DATE: 2001-01-17
PRIOR APPLICATION DATA REMOVED - CONSULT PALM OR FILE WRAPPER

NUMBER OF SEQ ID NOS: 1249
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 88

TYPE: DNA
ORGANISM: Homo sapiens

US-09-764-875-88

	Query Match	Score	DB 2;	DB 3;	Length
Qy	Best Local Similarity	54.7%	Score 2843 .2;	Length 3319;	
Qy	Matches 2867; Conservative	99.5% 0;	Pred. No. 0; MisMatches 3;	Indels 12;	Gaps 1;
Qy	55 GACGGACAGAGCCGGGACTGATGGTGTGGGGCTCCM0GTCCTCCAG 114				
Db	6 GACGGACAGAGCCGGGACTGATGGTGTGGGGCTCCM0GTCCTCCAG 65				
Qy	115 CGGGCGCGTAGCGCCACTGATTTGCCCTGGGGCAACCGCCGGAGATGA 174				
Db	66 CGGGCGCGTAGCGCCACTGATTTGCCCTGGGGCAACCGCCGGAGATGA 125				
Qy	175 GGCGCGATTAGCGAAAGTAAAGTAACAGAAACCATGGCTCAACACCCCTTGCT 234				
Db	126 GGCGCGATTAGCGAAAGTAAAGTAACAGAAACCATGGCTCAACACCCCTTGCT 185				
Qy	235 GGCGCGATTAGCGAAAGTAAAGTAACAGAAACCATGGCTCAACACCCCTTGCT 294				
Db	186 GGCGCGATTAGCGAAAGTAAAGTAACAGAAACCATGGCTCAACACCCCTTGCT 245				
Qy	295 CATACTTAAAGCCATATGGATTCAACTTGATGAACTTTTTT 354				
Db	246 CATACTTAAAGCCATATGGATTCAACTTGATGAACTTTTTT 305				
Qy	355 CAACTGGTTTACCTCAACCTTGTTAGCAGATATGGSCACTAGTGACATGAAATT 414				
Db	306 CAACTGGTTTACCTCAACCTTGTTAGCAGATATGGSCACTAGTGACATGAAATT 365				
Qy	415 GATGCGAAGTGGTCAAGTGGAGTTCCATAGCTTAAACTTAACTGAAAGCTA 474				
Db	366 GATGCGAAGTGGTCAAGTGGAGTTCCATAGCTTAAACTTAACTGAAAGCTA 425				
Qy	535 TCTAGCGCACCAGCATTTGGTATGGGAGTATGCCAGATGCCCGTTAACGCTGTT 594				
Db	486 TCTAGCGCACCAGCATTTGGTATGGGAGTATGCCAGATGCCCGTTAACGCTGTT 545				
Qy	595 GCTCCAGTGCCTCAATGGATCCATTCCAGTTGGAATGTCCTCAACCCCTAGATCTCT 654				
Db	546 GCTCCAGTGCCTCAATGGATCCATTCCAGTTGGAATGTCCTCAACCCCTAGATCTCT 605				
Qy	655 GTTCCCAAGAGCTGTCATGCCCTGTTAACCGCTTACACCTCTCTG 714				
Db	606 GTTCCCAAGAGCTGTCATGCCCTGTTAACCGCTTACACCTCTCTG 665				
Qy	715 CCTGCAATTGCTCATCTGCAGCCACATGCCAAAGGTTCTTCTAGATCTGGT 774				
Db	666 CCTGCAATTGCTCATCTGCAGCCACATGCCAAAGGTTCTTCTAGATCTGGT 725				
Qy	775 CCAGGGTCAACAACTAAACATAAACTAAATTACACAGTCATTTGTCGGCCAGTGTGTC 834				
Db	1806 CAGATACATGACCAATTAAACAGTTCAGGAAACAGTTCAGGAACTTCACTT 1865				

726 CCAGGGTCAACAACTAAACATAAACTAAATTACACAGTCATTTGTCGGCCAGTGTGTC 785

Qy 895 CCACCACTGGCAGAGCTGGCTCTTCAGTCATCAAGACTGAAATACAGGCAATTATTC 894

Db 786 CCACCACTGGCAGAGCTGGCTCTTCAGTCATCAAGACTGAAATACAGGCAATTATTC 845

Qy 895 AATAGTCATGACAACATGAGTGGACACTAAC-----AGGTCCCACAGCA 942

Db 846 AATAGTCATGACAACATGAGTGGACACTAAC-----AGGTCCCACAGCA 905

Qy 943 AGACTATCTPATGCAAGTGGTACACAGGCTAGCTGCTCTCATATGGAAATCT 1002

Db 906 AGACATATCTPATGCAACATGAGTGGACACTAAC-----AGGTCCCACAGCA 965

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Qy 966 TCNGACATTGATCAAGATGGAAAACCTTACAGGAGGAAATTATCTGGCAATGACACTC 1025

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Qy 1303 GAGAACGAGGGPAGCTCTCTGAAACAGCAGGGCAAGGGGGAGGGCTGGCCCTGGCCAG 1362

Db 1266 GAGAACGAGGGPAGCTCTCTGAAACAGCAGGGCAAGGGGGAGGGCTGGCCCTGGCCAG 1325

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Db 1806 CAGATACATGACCAATTAAACAGTTCAGGCAACAGTTGCACTAGGAACTTCACTT 1865

Qy 1903 GTTACACTTAAGAGCCTTAGAGCAAAAGAAGACTAGCTGGAGCACCTAGGAGACAA 1962
Db 1866 GTTACACTTAAGAGCCTTAGAGCAAAAGAAGACTAGCTGGAGCACCTAGGAGACAA 1925
Qy 1963 CTGGATGAAGTGGAGAAAGAAACTAGATCAAAGTAACTACGGAGATTGATATTTCAATA 2022
Db 1926 CTGGATGAAGTGGAGAAAGAAACTAGATCAAAGTAACTACGGAGATTGATATTTCAATA 1985
Qy 2023 CAGCTGAGGAACCTAAGGAAATACACAATAAGCAACACTCCAGAACAGAAAGTCCTGTG 2082
Db 1986 CAGCTGAGGAACCTAAGGAAATACACAATAAGCAACACTCCAGAACAGAAAGTCCTGTG 2045
Qy 2083 GAGCTGAGGAACCTAAGGAAATACACAATAAGCAACACTCCAGAACAGAAAGTCCTGTG 2142
Db 2046 GAGGCTGAAAGCAGTGAACAGAAAGGAGATCATAGAAATTGAAACAA 2105
Qy 2143 AAGAAGAGGCCAAAGGAGAGCTCAGGAAAGGAGAGCTCAGGAAAGGAGATCGAGTGTGAG 2202
Db 2106 AAGAAGAGGCCAAAGGAGAGCTCAGGAAAGGAGAGCTCAGGAAAGGAGATCGAGTGTGAG 2165
Db 2203 CAGAGCTGAAAGAAGGATCAGAGCAAGAAAAGGAAACACTGAAAAGGGAG 2262
Db 2166 CAGAGGGAGGAGGAGTCAAGGAAAGGAAACCTCCAGAACAGAAAGGGAG 2225
Qy 2263 CAGAGCTGAAAGAAGGATCAGAGCAAGAAAAGGAAACAGAACAGAACACTG 2322
Db 2226 GAGAGTGTCAAAAGAAGGATGCGGAGAAAAGGAAACAGCAAGAACAGCTG 2285
Qy 2323 GGTGGCTTTTCATCAACACAGAAACCTGAGCTGTCAGGCACCCGGTCC 2382
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Db 2346 ACTGAGAAAAGTCCACTTACCAATTGTCAGGAAATGTAAGTGGTGTATTAC 2405
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Qy 2503 ATAGTCATGGTGGATGAAGGCCAAACTGAGAACCCGGCTGGTTGGAGGAAATTAAA 2562
Db 2466 ATAGTCATGGTGGATGAAGGCCAAACTGAGAACCCGGCTGGTTGGAGGAAATTAAA 2525
Qy 2553 GAAAGAGCAGGGTGGTTCCCTGCAAACTATGGGTTGCCCTGGTGGT 2622
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Db 2586 GCTCCAGTGAACCTGAGCTGACTGTTCAACATCTGGCCCTGGTGGT 2645
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Db 2646 GAGACCCCGGCCCTTGGCAACCTCTGGCAAACTGGAAACGATAACTGG 2705
Qy 2743 GCCGACTTGTCACTGGGCCACCGAACGATAACTGG 2802
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Db 2826 TCGGCCTTTACTCCAGCACGGGCAACTGGCTCCCTGGCTAGGCCAGGT 2885
Qy 2923 GA 2924
Db 2886 GA 2887

RESULT 7
Sequence 887, Application US/10264049
Publication No. US20040005579A1
APPLICANT: BURSE et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA133P1
CURRENT APPLICATION NUMBER: US/10/264,049
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/18569
PRIOR FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: US 60/209,467
PRIOR FILING DATE: 2000-06-07
NUMBER OF SEQ ID NOS: 4360
SOFTWARE: PatentIn Ver. 3.1
SEQ ID NO: 887
LENGTH: 2067
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE: misc_feature
NAME/KEY: misc_feature
LOCATION: (5) .. (5)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE: misc_feature
NAME/KEY: misc_feature
LOCATION: (2053) .. (2063)
OTHER INFORMATION: n equals a,t,g, or c
US-10-264-049-887
Query Match 36.2%; Score 1882.4; DB 6; Length 2067;
Best Local Similarity 98.3%; Pred. No. 0;
Matches 1953; Conservative 1; Mismatches 27; Indels 5; Gaps 5;
Qy 3199 TCGGAGAGAAATGGCCAGGTTATGCCCTCATACCGGCACCGGCCCGAGAGCTC 3258
Db 53 TCTCATAATAATTGCCCCAGTTATGCCCTCATACCGGCACCGGCCCGAGAGCTC 112
Qy 3259 ACTCTGCCCTGGTCAAGCTGATTGTTGATCGAAAGAACCCAGGGATGGTGGAA 3318
Db 113 ACTCTGCCCTGGTCAAGCTGATTGTTGATCGAAAGAACCCAGGGATGGTGGAA 172
Qy 3319 GGAGAGGTGCAAGCAGCTGGGAAAAGGCCAGATAGGCTGGTTCCCAGCTTAATTATGTA 3378
Db 173 GGAGAGGTGCAAGCAGCTGGGAAAAGGCCAGATAGGCTGGTTCCCAGCTTAATTATGTA 232
Qy 3379 AAGCTTCAAGGCTGGAGCAGAAATCACTCAGAACGCCCTAAGTCAGCGCA 3438
Db 233 AAGCTTCAAGGCTGGAGCAGAAATCACTCAGAACGCCCTAAGTCAGCGCA 292
Qy 3439 TTAGGGCAAGTGGCCAGGTGATTGAGTCAAGCTAACCGGCGAAATGAGTGTGAG 3498
Db 293 TTAGGGCAAGTGGCCAGGTGATTGAGTCAAGCTAACCGGCGAAATGAGTGTGAG 352
Qy 3499 CTGGCCTTCAAAGGGCCAGTCAACACGTTCTCAACACGGGACCCCTGACTGGTGG 3558
Db 353 CTGGCCTTCAAAGGGCCAGTCAACACGTTCTCAACACGGGACCCCTGACTGGTGG 412
Qy 3559 AAAGGAGAAGTCAATGGCAACAGTGGGACTCTTCCTCCATCCAATTCTGAAAGTGGACCA 3618
Db 413 AAAGGAGAAGTCAATGGCAACAGTGGGACTCTTCCTCCATCCAATTCTGAAAGTGGACCA 472
Qy 3619 GACATGGACCCAGCCAGAACGAAATGATACTATGTTGTCATCCCCCTCAAGCTGTAAAG 3678
Db 473 GACATGGACCCAGCCAGAACGAAATGATACTATGTTGTCATCCCCCTCAAGCTGTAAAG 532
Qy 3679 TCCTCAAAGAGGACCACTATCCATATCACTTCAGGAGATGATGGAGATGAGGCT 3738

Db	121	AAGACTTGGATTAGAAGCTCTAAATGATAAAAAGCATCAACTAGAAGGGAAA	180	Qy	2773	ACGAAATCAGAAACCAGAAAACCGATTAACCTGGGATGGCATGGGAGGCCAGCCCTCTTCACCC	2832
Qy	1693	CCTCAAGATATCAGATGCGATTGACCCCAAAAGGAGAAAATTGGAGACAACAAA	1752	Db	1261	ACGAAATCAGAAACCAGAAAACCGATTAACCTGGGATGGCATGGGAGGCCAGCCCTCTTCACCC	1320
Db	181	CCTCAAGATATCAGATGCGATTGACCCCAAAAGGAGAAAATTGGAGACAACAAA	240	Qy	2833	GTTCAAGTGCAGGCGATTGAGCAAGGCACTTACTCCAGCCACGGCACTGGC	2892
Qy	1753	TCTAGAGGTGGAATTGCCGAATATCAGCCACCATCTACAGCAAACTTACAGGAATCTCG	1812	Db	1321	GTTCAAGTGCAGGCGATTGAGCAAGGCACTTACTCCAGCCACGGCACTGGC	1380
Db	241	TCTAGAGGTGGAATTGCCGAATATCAGCCACCATCTACAGCAAACTTACAGGAATCTCG	300	Qy	2893	TCTTCCCCGTCCTGCTAGGCAGGCGATTGAGCAAGGCACTTACTCCAGCCACGGCACTGGC	2952
Qy	1813	CAATGCTTGGAGACTTATCCAGAAAACAGATACTCAATGACCCATTAAACAGTT	1872	Db	1381	TCTTCCCCGTCCTGCTAGGCAGGCGATTGAGCAAGGCACTTACTCCAGCCACGGCACTGGC	1440
Db	301	CAATGCTTGGAGACTTATCCAGAAAACAGATACTCAATGACCCATTAAACAGTT	360	Qy	2953	CTATATCCTTGAGAGGCAAAAAAGACAACCACTTAATTTAACAAAAATGATGTCATC	3012
Qy	1873	CAGCAGACAGTTGCAGAGTCACTTGTACATTAAAGGCTTAGAAGAAA	1932	Db	1441	CTATATCCTTGAGAGGCAAAAAAGACAACCACTTAATTTAACAAAAATGATGTCATC	1500
Db	361	CAGCAGACAGTTGCAGAGTCACTTGTACATTAAAGGCTTAGAAGAAA	420	Qy	3013	ACCGTCTGGACAGGAGACATGTGGTGGAGAAGTTCAAGGTCAAGGGTTGG	3072
Qy	1933	GAAGTACTGCTGGAGACCTACAGACCAACTCGATGAGTGAGAGAAACTAGATCA	1992	Db	1501	ACCGTCTGGACAGGAGACATGTGGTGGAGAAGTTCAA	1545
Db	421	GAAGTACTGCTGGAGACCTACAGACCAACTCGATGAGTGAGAGAAACTAGATCA	480	Qy	3073	TICCCCGAGTCTTACGTGAAACTCACTTACGGCCATAAGGAAGTCTACAGATGTTGATGG	3132
Qy	1993	AAACTAAGGAGTTGATATTTCATAATCAGCTGAGGAACATTAAGGAAATACACAT	2052	Db	1546	-----	-----
Db	481	AAACTAAGGAGTTGATATTTCATAATCAGCTGAGGAACATTAAGGAAATACACAT	540	Qy	3133	TCTGGTTCTTCAGAGAGTCTCTGCTAGTCTAACAGGAGTAGGCTCTCCAGCAGCCAA	3192
Qy	2053	AAGCAACACTCCAAGCCTAAAGTCCTGAGGCTGAACGACTGAAAGACAA	2112	Db	1589	ATTAACTT-----	-----
Db	541	AAGCAACACTCCAAGCCTAAAGTCCTGAGGCTGAACGACTGAAAGACAA	600	Qy	3193	GTGTTTGGAGAGAAATGCCAGGTTATTGCCCTCATACGCCACCGGCCGAG	3252
Qy	2113	GAACGAAGATCATAGATTGAAATTGAAAGGAAACAAAGGAGCTCACGAA	2172	Db	1606	GGGGATGTGATTGGTTACCAAGAAAGATGTGACTGTGGGAGACAAACAGTGGGAGAC	1665
Db	601	GAACGAAGATCATAGATTGAAATTGAAAGGAAACAAAGGAGCTCACGAA	660	Qy	3253	CGCTGACTCTGGCCCTGGTAGGTGATTTGATTCGAAAGAA	3312
Qy	2173	AGGACAGCAGCTGGCTGAGCATGTGCCAGCAGGCCRAGCATCAGAGCAAGAAA	2232	Db	1666	AGGGCCGGAGTCTTCCCT-TCTAATATGTGAGGCTTAAGATCTCAGGGCTCTCGAA	1723
Db	661	AGGACAGCAGCTGGCTGAGCATGTGCCAGCAGGAGCATCAGAGCAAGAAA	720	Qy	3313	TGGAAAGGAGACCTGCAAGGAGCTGGTGGAAAAAGGCCAGATAGGCTGTTCCCAGCTTAAT	3372
Qy	233	CTTCACGAGAGAAAACCTGAAAGGGAGGAGTGTCAAAAAGGAGTAGCGAGAA	2292	Db	1724	CTGCTGGAAAACAGGGAGTTAGGAAAAAAACCTGAAATTGCCAGGTTATTGCTCTCAT	1783
Db	721	CTTCACGAGAGGAAAACCTGAAAGGGAGGAGTGTCAAAAAGGAGTAGCGAGAA	780	Qy	3373	TATGTAAGGCTCTAAGCCCTGGAGGAGAAAATCACTCCAACAGAGCCACCTAA	3432
Qy	2233	AAAGGCAACAGGAGCAAGCAAGCAAGCTGGCTGGCTTCCATCACACCAAGACA	2352	Db	1784	---ACACCGCCACGCCCGAGCTCATCTCGCCCTGGTGTGCTGATTGTGATC	1839
Db	781	AAAGGCAACAGGAGCAAGCAAGCTGGCTGGCTTCCATCACACCAAGACA	840	Qy	3433	ACAGCATTAGGGCAGTGTGGCTGATGGGTGATGGCTACACGGCAGAATGAC	3492
Qy	2353	GCTAACGGCAGCTGCCAGCACCCTGCTCACTGCAAGAAAAGGCTCCCTTACCT	2412	Db	1840	CGAAAAGAACCCAGCTGTGCCAGTGTGGGATGATGACTACAGGACTACAGGCTGAGATGAC	1899
Db	841	GCTAACGGCAGCTGCCAGCACCCTGCTCACTGCAAGAAAAGGCTCCCTTACCT	900	Qy	3493	GATGAGCTGGCTTCACACAGGGCAGATCATCACTCCCTCACAGAGGAACCTGAC	3552
Qy	2413	GCGACGGAAATGTAAGACTGGCTTACCTGGCTTACCTGACCTGACAGAGC	2472	Db	1900	GATGAGCTGGCTTCACAGGGCAGATCATCACTCCCTCACAGGGACCTGAC	1959
Db	901	GCGACGGAAATGTAAGACTGGCTTACCTGGCTTACCTGACAGAGC	960	Qy	3553	TGGTGAAGGAGAACTCAATGGCAAGTGGCTTCCCATCAATTATGTAAGCTG	3612
Qy	2473	CATGATGAATCACTATGCCAGGAGACATAGTCATGTTGAGTAAGCAGAACTG	2532	Db	1960	TGGTGAAGGAGAACTCAATGGCAAGTGGCTTCCCATCAATTATGTAAGCTG	2019
Db	961	CATGATGAATCACTATGCCAGGAGACATAGTCATGTTGAGTAAGCAGAACTG	1020	Qy	3613	ACACAGACATGGCAAGGCCAAAGCCAGCAT	3640
Qy	2533	GAACCCGGCTGGCTGGAGGAGATTAAAGGAAAGGAGCTGGCTCCCTGCAAACAT	2592	Db	2020	ACACAGACATGGCAAGGCCAAAGCCAGCAT	2047
Db	101	GAACCCGGCTGGCTGGAGGAGATTAAAGGAAAGGAGCTGGCTCCCTGCAAACAT	1080	Qy	2593	GGAGNGAAANTCCNGAAAANTGGGTTCCGGTCCAGTCAACCACTGATTCA	2652
Qy	1031	GGAGAGAAATCCAGAAAATGGGTTCCGGTCCAGTCAAACGTACTGATTCA	1140	Db	2653	TCTGCCCCCTGCCCTAACCTGGCTTGGCTGAGACCCCCGCCCTTGGCTAACCT	2712
Db	1141	TCTGCCCCCTGCCCTAACCTGGCTTGGCTGAGACCCCCGCCCTTGGCTAACCT	1200	Qy	1141	GGAGAGAAATCCAGAAAATGGGTTCCGGTCCAGTCAAACGTACTGATTCA	1320
Qy	2713	TCTGCCCCCTGCCCTAACCTGGCTTGGCTGAGACCCCCGCCCTTGGCTAACCT	2772	Db	2713	GGAGAGAAATCCAGAAAATGGGTTCCGGTCCAGTCAAACGTACTGATTCA	1440
Db	1201	GGAGAGAAATCCAGAAAATGGGTTCCGGTCCAGTCAAACGTACTGATTCA	1260	Qy	2713	TCTGCCCCCTGCCCTAACCTGGCTTGGCTGAGACCCCCGCCCTTGGCTAACCT	1500

RESULT 9
US-10-39-885A-15
Sequence 15, Application US/10398885A
; Publication No. US0040053282A1
; GENERAL INFORMATION:
; APPLICANT: Sugita, Yuji
; APPLICANT: Hashida, Ryoichi
; APPLICANT: Ogawa, Kaoru
; APPLICANT: Nagasu, Takeshi
; APPLICANT: Obayashi, Masaya
; APPLICANT: Saito, Hirohisa

APPLICANT: Takahashi, Eiki
 TITLE OF INVENTION: Method of Testing For Allergic Diseases
 FILE REFERENCE: SHIMINU-079407
 CURRENT APPLICATION NUMBER: US/10/338, 885A
 CURRENT FILING DATE: 2003-08-11
 PRIOR APPLICATION NUMBER: PCT/JP01/08937
 PRIOR FILING DATE: 2001-10-11
 PRIOR APPLICATION NUMBER: JP 2000-314093
 PRIOR FILING DATE: 2000-10-13
 NUMBER OF SEQ ID NOS: 16
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 15
 LENGTH: 58:8
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (7)..(5052)
 ; OTHER INFORMATION: Synthetic
 ; OTHER INFORMATION:
 ; OTHER INFORMATION:
 US 10-398-885A-15

	Query Match	Score	Length	Best Local Similarity	Pred.	No.	Mismatches	Indels
Qy	184 TAGCAAGGTAAAGTAAACGAAACCATGGCTAGTTCCAAACCTTTT	50	7	10.6%	Score	550	0	
Db	19 TATCAGGAAGAACCTCGGACCTGTGGCTAGTTTCACAGCTATG	50	7	50.7%	Pred.	No.	1..4..116	
Qy	244 GATATCTGGCCATAACTGTAGAGAAAAGCGGAAGCTGATCAGCG	50	7	10.6%	Score	550	0	
Db	79 AACATCTGGCTATTACCTCTGAAGACGTAAAGATGAGCGAG	50	7	50.7%	Pred.	No.	1..4..116	
Qy	304 AAGCCCATATCTGGATCATCTGGTGTAGCTGAGCTAGAACCTTTT	50	7	10.6%	Score	550	0	
Db	139 AAACCTCTAGGGTTACATAACAGGTGATCAGCAGTAAATTTC	50	7	50.7%	Pred.	No.	1..4..116	
Qy	364 TTACACTCAACCCTGTTTAGCACAGATGGGCACATCTGACATGAT	50	7	10.6%	Score	550	0	
Db	199 CTGCCGCCCTGTTAGCTGAATAATGGGTTTATAGCTCTAAC	50	7	50.7%	Pred.	No.	1..4..116	
Qy	424 ATGGATCAAGCTGGAGTTTCATAGCTTGTAAACATTATCAAACCTGAG	50	7	10.6%	Score	550	0	
Db	259 ATGGATCAAGCAAGAGTTCCTCATAGCTTGTAAACCTCAACCTGAG	50	7	50.7%	Pred.	No.	1..4..116	
Qy	484 CAGCTTACCTCTGGACTTCCCTGTATGAGAACAGAACCC -- AGTT	50	7	10.6%	Score	550	0	
Db	319 CAGTTGCCTGGTTCTCCCTCTTATGAGAACCCCTATGTGTT	50	7	50.7%	Pred.	No.	1..4..116	
Qy	541 GCACCAAGCATTTGGTATGGGAGTATGCCAGCTGGCATCCGGTTAAC	50	7	10.6%	Score	550	0	
Db	379 TCTGCTGTTGGAAATGCCAATCTGTCATTCCTCTAAC	50	7	50.7%	Pred.	No.	1..4..116	
Qy	601 GTGCCAATGGATC-----	50	7	10.6%	Score	550	0	
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Qy	631 ATGCTCTCAACCTCTAGTATCTCTGTGTTCTGAGGTGAGCTT	50	7	10.6%	Score	550	0	
Db	499 ATGCCCACTCCCTAGTGCCTCTGTGAGCATCATTAACAAAT	50	7	50.7%	Pred.	No.	1..4..116	
Qy	691 GCTCCCCCTGGTTACAAACCTCTGCCCTGTCATTTCTCCAGCCC	50	7	10.6%	Score	550	0	
Db	559 CTGATTCAGCCCTTACCCATTCTTATCTTCATGCTCAAGATTC	50	7	50.7%	Pred.	No.	1..4..116	
Qy	751 AGTCTCTTGTATGGGAGGTTGGCCAGTGCTGAGCTATAAGCGAC	50	7	10.6%	Score	550	0	
Db	619 AGTCTGATGATGGGAGGTTGGCCAGTGCTGAGCTATAAGCGAC	50	7	50.7%	Pred.	No.	1..4..116	
Qy	811 CAGTCATTGTATGGGAGGTTGGCCAGTGCTGAGCTATAAGCGAC	50	7	10.6%	Score	550	0	

Db	679	TAGGATCTAGTAGCTAACCTCCTGACTCTGTTCTGACTCTCGTCAAGACTTCAGGGAACTCCCAAGACT	738
Qy	842	- - - TGGAGATGGGTGTTCTCGTCAAGACTTAACGGCAATTATTCATAAT 897	
Db	739	GGACTCTAGAGTGGAGTCTCGCTAACAGTTAAATATCGAAAATTAAAT 798	
Qy	838	AGTCATGCAAAACTATAGTGACACTTAACGGTCCCGAAGAACTTCTTATG 957	
Db	799	ACTCTGCAAAAGTGTAGTGATTAACGGTTTCAGGTAGAAATGCCCTCTT 858	
Qy	958	CAGTCAGTTACCAAGGCTCAGCTGGCTCAATATGGAAATCTTCTGACATTGTACAA 1017	
Db	859	CAGTCAAATCTTCTCAACTCAGCTGGCTACTATTTGGACTCTGTGAVGGT 918	
Qy	1018	GATGAAACTACAGCGAGGAATTATCTCTGGCAATGCACTTGTAGTAGCTATG 1077	
Db	919	GATGAGACGCTAAAGCGAAAGTATTCTGCAATGCACTTGTAGGGAAA 978	
Qy	1078	TCTGGCCAAACCTTGCCACTCTGGCTCTGGCTCCAGAAATACATTCACCTTCACTGAGGAA 1137	
Db	979	GTCAGACGCCATTACCACTGACTTTACCTCTGGTTCTCCATCTTCAAGGGAA 1038	
Qy	11138	GTTGATCTGGCTGGTATACTGTCATAACATCTGAGATCAGAGGTACCA 1197	
Db	1039	G---GAAGCAAATTGATTCCTTAAATGAACTCTGCCTCATATCGAAAATGCAAGAA 1095	
Qy	11198	GAGGAACCTGTTAGAGATGACAACRACAAATTGAGAAAGAAATTAACCTGTAAGCTTT 1257	
Db	1096	GAGGAACCTC-----AGAGAAATTACCGTTACCTTACTCTT 1128	
Qy	1258	GAAGATAAGGGGGAGAACCTTGTAGCTGGCAACCTGAAACTGGAAACCAAGGGAA 1317	
Db	1129	GAGGCAAAAGGGAAACCTATGAGGGGAAACATGGAGTGGAAAGGCAAGGCCAA 1188	
Qy	13118	GCTCTCTGGAAACAGCACCGCAGGAGGAGGAGGAGGCCCTGGCCAGCTGGAGGGGGAG 1377	
Db	1189	GCCTGTAGGGCCACAAAGGGGGAGGAGCTAAAGGCCAGAGCTAAAGGGAGAAGGAG 1248	
Qy	13738	CAGGAGGGAGGGCGTGTAGGCCAGGGCAAGGGCAAAAGACAACACTGGAACTGTGAG 1437	
Db	1249	TGGGAGCAAAACAGAGAAATTACAGAACAGAAATGAGAACACATTGTGATAGAA 1308	
Qy	1438	AAGGAACTGGAAAGCAGGGGGACTTAAACGGCAAGGAGGAGGAGGAAAGGA 1497	
Db	1309	AAACCCCTAGAGGAGCAAGGGGAAATTGGAGAGAACAGGAGGAAAGAACAC 1368	
Qy	1498	ATTGAGGGAGGAAACTGCTGCAAAACGGGAAACTTGTAAAGGCAACCTGTGGGAA 1557	
Db	1369	ATAGAAGGGAGGCAAAAGGAAACTTGTAAAGGCAACCTGTGGGAACTGTGGGAG 1428	
Qy	1558	CGGAATCGGAAAGGCAAAAGAACTTAATCAAGAAACAGAGAACATGTTGAA 1617	
Db	1429	AGAATTGGGAGCAAGGAGCTTCTCAATCAAAGGAAATTGAGAACAGGAAATGTGAGG 1488	
Qy	1618	CTGAAGGAAAGAAAAGGAACTTGTGAAACTTGTAAAGGCTTAATGATAAAAGCT 1677	
Db	1489	TTAACCTCTAAAGGAAATCTCTGTTGGAGGACTGAACTGGAAACATCTGAG 1548	
Qy	1678	CAACTAGAGGGAAACTTGAGATACTGAGATACTGAGTGTGAACTTGTGGAAATT 1737	
Db	1549	CAGACTCTAGAGGACTTCAAGCTAACAGTGACTCTGGTCAAGGAACTTGTGAGCTG 1608	
Qy	1738	GAGAGCACAAACAAATTCTAGAGACTTGTGAAATTCTCCGAACTTACCCATCTACACAA 1797	
Db	1669	CTTCAGGAAATATCGAAATAGCTTATCTGTGAACTCTGAGAAATTAAATGAA 1728	
Qy	1858	CAATTAAAACAGGTTAGGAGAACTTGTGACTCTGGTCAAGGAACTTGTGAGCTTAA 1788	
Db	1729	AGAATTTAAACATCGTCTAGTACACCTGAGTTACTCTATAAA 1788	

Qy	19118	GCCTTAGGACAAAGAACTAGCTCGGGAGCACCTACAGAACCAACTGGATGAAGTCGAG 1977	Qy	2965	AGAGCCAAAAAGACAAACCACTTAATTAACTAACAAAATGATGTGATCACCGGTCCTGGAA 3 024
Db	17819	AAATCATTAAGAAAAGGAATTATGCCAAAGCTTAAAGAACAGTTAGATGATCTCTGAA 1848	Db	2869	GTAATAAGAACTACCTCGCAGCTTCTGGATTCAGTGGATATATGCACTTTAT 2928
Qy	1978	AAAGAAACTAGATCAAACACTACAGGAGATTATTCATAAATCAGCTGAAGGAACTA 2037	Qy	3025	CAGCAAGACATGTGGTGGTTGGAGAAGATICAAGGTCAGAGGTGTTCCCAGAGTCT 3 084
Db	1819	AAGAAACTGTCATCTAACGCTCTAACGTTAGAATGGATTCTTTAACATCAAGGAACCTG 1908	Db	2929	C-CATATTCAAGTGAACTTGAAACTCTGGAGATTCAGTTCAGAAGGGAAGAAATATTGGT 2987
Qy	20318	AGGAAATAACATAAGCAACAAACTCCAGAAGCAAAGTCCATGGAGGTGAAAGCGACTG 2097	Qy	3085	TACGTGAAACTATTTGAGGCTATAGGCCATAGGAGTACAGCTGATGTTCTGGTTCTCA 3 144
Db	19099	AGGAAACCTACACACACACAGCAAGTGTAGCCITGAAACGCTTATAAGATCAAACGTGAC 1968	Db	2988	GRCGAGAAAGATGGAGGTGGTGCAGGAGTATGGAGATAAGTGGAAATTCTTCC 3 047
Qy	2088	AACAGAAAGAACAGAACAGAAAGTCTAGATT-----AGAAACAAAGAA 2148	Qy	3145	GAGAGTCCTGCT-----AGTCAAGGAGTAGCTCTCCAGAGCAGCCTG 3 196
Db	19519	AACTTGAAAGAAATTGAAAGGAAAGATTAGAACTATGCAAGAAAAGAAACTAGAGAT 2028	Db	3048	ATCAAACTATGTCACCAAGGATCAAGAGGTTGGGAGTGTAGCAAGTCTGAGTCG 3 107
Qy	21419	GAAGCCCCAAAGA CGAGCTTAGAAAGGACAACAGTGTGGAGCACGG 2208	Qy	31197	TTTCGGAGAA----GAAATTGCCCCAGGTTATTGGCTCATACACCGCCACGGCCCCGA 3 251
Db	20219	GAGGCTGCAAGGAAGGCCAAAGCAGGAAAGGAGGAAACTATGAAAGAAATCTTAGAAAG 2088	Db	3108	ATCAAAATAAAACCTGAGATTGCTAGGAAACTCTAGCATATGTGCTTCTGGTCTGA 3 167
Qy	22209	GACGAGCTATCAGAACCCAGAAACTCCAGAAGGAAAAGTGAAGGAGGAGGT 2268	Qy	3252	GAAGCTGTACTCTGCCCTGGTCACTGTTGTTGAGATGCTAGGAACTCTAGGTTCTGA 3 311
Db	20099	GAGGAAGGAGAAAAAACAAAGGACTCCAGGAGAAAAAACACAAGAA 2148	Db	31168	ACAACTTAACTGCTTGTGACCAGGAACTGTTAAATTCTAAAGAAATAAGTGGTGTG 3 227
Qy	22269	GTCAAAAGAAGGATGGCAGGAAAAGGCAAACAGGAG---CACAGAACGACGCTGGTCG 2327	Qy	33112	GTGGGAGGAGGAGGTGCAAGGACGTCAGTGGAAAGAACGCCAGATGGCTGGTCAAGCTGAA 3 371
Db	21149	GAGGAACCGAAAAGCTGAGGAAACAACTGAAAGGATAGGATACTTAACTGAGGAG 2208	Db	3228	GTGGCAGGAGGAGTGTAGGGCAGAGAAAGGAGCAAGAAGGATGGTTCTGCCAG 3 287
Qy	23238	GCTTTTCATCAACACAGAAACGCTTAAGGATAAGGATTAACCCCTTGAGCA 2268	Qy	3372	TTATGTAAGAGCTTCTAGGCCCTGGAGGAAATACTCACTCCAAAGGACCTAAGTC 3 431
Db	22019	AAAAAAACGTGAGACAGCTAGTGTGTTGGTAATTATAGGATTATACCCCTTGAGCA 2268	Db	3288	TGATGTTAAACCTTTGGTCCTAAAGTGTGAAAGGCCA-----C 3 326
Qy	23388	AGAAAAACGTCACCTTACATTTCTGCACAGGAAAATCTAAAGTGTGTTACCGGC 2447	Qy	3432	ACAGGCAATTAGGCCAGSTGSCAGATGGCTGATGGTACACGGCAGAAATGAGTA 3 491
Db	22259	AGGADACCATGATGAGATAGTGTAAATTCTGGATATAATTCACTGGTGTGAAAAACC 2328	Db	3327	ACCTGGCTTTCATCTCTGCTATCTGCTAGTGTGCTATGCTATGCTAGAAATATGA 3 386
Qy	24148	ACTGTACCCCTTGAATCAGAACGCCATGTGAAATCTACATCAGCAGGAGACATGT 2507	Qy	3492	CGATGAGCTGGCTTCAACAGGGCAGATCTCAAGCTCTCAAGAGGGACCTCTGA 3 551
Db	23129	GTAGGGAGAACCTGGTTGGCTTTCAAGGAAAATTGGTGTGTTCTCATG 2388	Db	3387	CTATGACCTCAGTTCTCCAGGGCACACTTATGTTATGAGAGAAATGTGATCTGA 3 446
Qy	25118	CATGGTGATGA-----AAGCCAAACTGGAGAACCCGGCTGGCTTGAGGAGAA 2556	Qy	3552	CTGGTGGAAAGGAGAACTCAATGGAGAAGTGGGGCTCTCCATCCAATPATGTGAGCT 3 611
Db	23899	AATTATGTAAGAAAATGCCATCAAGTGAATAAGAAAGCTGSTATCCTCAAAAGGCC 2448	Db	3447	TGGTGGCAAGAGAGATCAAGGGGTGACTGTCTCTTCAAAACTACGTAAAGT 3 506
Qy	2557	TTAAAGGAAAGAACGGGGTTCCTGAAACT-----ATGAGAGAAATACTCCAGAAAT 2613	Qy	3612	GACCAAGACATGGACCAAGGCCAGGATG 3 641
Db	24149	TTACTTCTCTCTACAGTGTCTTATCTGCTACCTCAACTCTGAAACCACCTTCTCA 2508	Db	3507	GRGAGACAGTCAAGTCAGATCCTGAACTACGT 3 536
Qy	26114	GAGTTCCGGCTCAGTGAACCAAGTGTGACTGATTCAACATGTCGCCCTGCCCAAACCTG 2673	RESULT 10		
Db	25059	AATCAACZAGCATAGTGTGATTATCAAACCTAACTGTAAAT 2568	US-09-884-441-72		
Qy	2674	GCCTTGGTGGAGACCCCCCCCCCTTGGCGATTAACCTTTCAGAGGCCCTCCAGGCCCT 2733	Sequence 72, Application US/09884441		
Db	2569	ACATCATGGCAGAAAAAAATCAGGCTTCTACTGAACTGTCCTGCTATCACCT 2628	Patent No. US2002019158A1		
Qy	27114	AAATACCTG-----GGCGATTGCTCCAGGAGATGAGTGAAGAA 2784	GENERAL INFORMATION:		
Db	26229	ATTCATGGACAGGGCAACGTGGTAGAAACTTAAAGGAGCCCTTGTGCTGACT 2688	Applicant: Algate, Paul A.		
Qy	27085	CCAGAAAACGGATAACTGGCATGGCTCAGGCCAGCCCTCTCACGGTCTCAAGTCC 2844	Title of Invention: COMPOSITIONS AND METHODS FOR THE THERAPY AND		
Db	2669	GCAAAAGAAGATACCACTGGCTGAACTTCAGTGAACATGACATTATTACTGCT 2748	Applicant: Carter, Derrick		
Qy	28415	GGCCAGTTTAAGGAGGGCTTCAAGGCTTATCCGCTTCCCTGGGGAGTGGT 2904	Title of Invention: DIAGNOSIS OF OVARIAN CANCER		
Db	27149	CAAGAAAATGGCTTCTGAGGAGCTGGGAGCTGGAGGAGATGGTTCCCAAATCTPAT 2808	File Reference: 210121-462C7		
Qy	29005	CCGTGCTAGGCCAGGGTAAAGGTGGAGGGCTACAGCTTAAGCCCTATCCTGG 2964	Current Application Number: US/09/884,441		
Db	2809	GTCAGAGATCATTCCTGGAGGTGAGTAAACGGGAAGCAACGCTTGTGAGCT 2868	Number of SEQ ID NOS: 489		
		Software: FastSEQ for Windows Version 3.0			
		SEQ ID NO 72			
		Length: 2017			
		TYPE: DNA			
		ORGANISM: Homo sapien			
		US-09-884-441-72			
		Query Match 9.8%; Score 507.8; DB 3;			
		Best Local Similarity 55.8%; Pred. No. 4.9e-107;			
		Matches 1138; Conservative 0; Mismatches 802; Indels 99; Gaps 5;			

APPLICANT:	Retter, Marc W.
APPLICANT:	Fanger, Gary Richard
APPLICANT:	Reed, Steven G.
APPLICANT:	Vedwick, Thomas S.
APPLICANT:	Carter, Darick
APPLICANT:	Hill, Paul
APPLICANT:	Aldone, Earl
TITLE OF INVENTION:	COMPOSITIONS AND METHODS FOR THE THERAPY OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE:	21:0121-462C8
CURRENT APPLICATION NUMBER:	US/09/907,969
CURRENT FILING DATE:	2001-07-17
NUMBER OF SEQ ID NOS:	596
SOFTWARE:	FastSEQ for Windows Version 4.0
SEQ ID NO:	72
LENGTH:	2017
TYPE:	DNA
ORGANISM:	Homo sapiens
US-09-907-969-72	
Query Match	9.8% ; Score 507.8; DB 3;
Best Local Similarity	55.8% ; Pred. No. 4.9e-107;
Matches 1138; Conservatve 0; Mismatches 802; Indels	
Qy	175 GCGTCGATTAGGAAAGGTAAAGTAACAGAACCATGGCTAGTTTCAAA
Db	9 GGCTGAGAGCTGCAAGAAGTCAAGGATCATGATGGCTCAAGTTTCCCAA
Qy	235 GGCAGCCCTGGATACTGGCCCATAACTGTAGAGGAAAGGCGAAGGATG
Db	69 GAGGGGCCAATATGTGGCTTATACATGAGAACGTAAAGATGATG
Qy	295 CATACTTAAAGCCAATATCTGGATTCAATTACTGGTGTATGAGCTAGAA
Db	129 GATAAACCTCAAAACCTTCAGGGGTTACATGAGCTTACATGAGCTTAC
Qy	355 CAAATCTGGTTACCTCAAACTGGTTAGGCAGATATGGGACTACTAGCTG
Db	189 CAGTCAGGTCTGGGGCCGGGTTAGCTGAAATATGGCTTATCAGG
Qy	415 GATGGAAAGATGGATCAAGTGGAGTTTCCATAGCTTGAACATATCA
Db	249 GATGGGAGATGGACCCAGAAAGATCTCATAGCTATGAAACTCATCA
Qy	475 CAAAGGATATCAGCTACCCCTTGCACTTCCCCTGTCATGAAACGGAAC
Db	309 CAGGGCCACAGCTGCCCTAGTCCTCCCTCATGAAACAAACCCCC
Qy	532 ATTCCTAGCAGCAAGGATTTGGTATGGGGGGATGCCGATGCCAC
Db	369 CCACAAATCTCTCGCTCGTTGGATGGNAGCATGCCAATCTGTCTCA
Qy	592 GTTGCTCCAGTGGCAATGGATC-----
Db	429 TGCCCTCAAGTSCACCTPATGCAACACCCCTTGCTCTGTGTACTTCAGG
Qy	619 CCAGTGTGGAAAGTCTCCAAACCCCTAGTATCTCTCTGTTCCACAGGAG
Db	489 CCTCCCTTAATGATGCCCTGCTCCCTAGTCCTCTGTTAGTACATCTCT
Qy	679 CTGGCTAACGGGGTCCCCCTGTGTTAACACCTCTGCTGTTGATTTGCTC
Db	549 GGAACCTGGCAGTCTCATTCAGCCTTATCCATTCTTATCTTCTTCAA
Qy	739 ACATTGGCCTAACAGAGTTCTCTTGTAGATCTGGTCTCAGGGTCAGAAC
Db	609 GCTCATATCTTACAGCTGATGGAGGTTGGTGTAGCTCCTCAACTCTCT
Qy	799 TTACAAAAGGACAGTCATTGATGTGGCCAGTGTGCTCCACAG-
Db	669 TCTCTGTTGATTTAGGATCTGATGCTCAACTCTCTCAACTCTCT
Qy	842 -----TGCAGACTGGCTTCCCTCAGTCATAGAC

Db	729	TCACCTTAAGCACGGGAACTTCAGAGTGGCAAGTTCTCAGGCTTCAGATAAAGTACCGG	788
Qy	886	CAATTATCCATAGTCATGACAATAACTATGAGTGCACCTAACAGTCCCAGAACAGAA	945
Db	789	CAAAATTTAATAGCTCATGCAAGGCAATGAGCSATACTCTCAAGTTCAACCTGAA	848
Qy	946	ACTATTCTATGCACTCAAGTTACCAACAGGCTCAGCTGCCCTCAATAATGGAATTTCT	1005
Db	849	AATGCCCTCTTCAGTCAAATCTCTCAAACTCGAGCTACTATTTGACTCTGGGT	908
Qy	1006	GACATTGATAAAGTAGGAAACATTAACAGCAGGAAATTATCCNGCAATGCACTTCATT	1065
Db	909	GACATGATGCTGTGAGGTGAAGCTGAATATTCTCGGATGACCTCACT	968
Db	1066	GATGTAGCTPATGTTGCCAACCTCTGCCACCTCTGTCCTGCCAGAAATACATTCACCT	1125
Qy	969	GACATGCCAAAGCTGAGAGCCAACTACACTGAGCTTGCTCCGGAGCTTGTCCCTCCA	1028
Qy	1126	TCTTTAGAGAGTTGCAATGTCGAGTGGTATATGTCATAAGCTCAAATCTGTAGAT	1185
Db	1029	TCTTCAGGGGAAAGCAAGTGTAT-----TCTGTTATGGAATCTGCGCTTGTAT	1082
Qy	1186	CAGGGCTACCAGGAAACAGTTTAAAGATGAAACAACAAATTAGAAAAGAAATTAA	1245
Db	1083	CAGAAACAGAGAAAGGCT-----CAGAAAGAATCTG	1118
Qy	1246	CCTGTAAGCTTTGAGATAGAAAGGGGAAACTTTGAACTGGCAACCTGGAACTTGAG	1305
Db	1119	CCAGTTACTTTTGAGGAAACGCAAAGGCAATATGAAAGGAAACATGGAGTGGAG	1178
Qy	1306	AAACGAAAGGCAAGCTCTGGAAACAGCAGCCAGGAGGGCCAGGCTGGCCAGCTG	1365
Db	1179	AAGCAGCAGAACTGTGTGAGGAGCAGAGGGGGCTGAAAGGAAAGCAGGCTGAA	1238
Qy	1366	GAGCGGCCAGCAGGAGGAGGAGGAGGCTGAGGGCAGAGGCAAGAGGCGAAAAGACAA	1425
Db	1239	GAGAGGAAGAGTGGCGAAACAGAGGAACTGGAGGAGGAGGAGGAGGAGGAGGAG	1298
Qy	1426	CTGGAACTGAGGAAACTCTGAAAGCAGGGGAGCTGAAACGGCAGAGGAGGAG	1485
Qy	1427	CTGGAACTGAGGAAACGGTTGGAGAAACGAGAGGAGGAGGAGGAGGAGGAGGAG	1358
Db	1299	CTGGAGTTGGAAACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	1418
Qy	1486	AGGAGGAAAGAAATTGAGGCGAGAGGGCTGGAAACCTGGAAAGGCAAAGACAGAG	1545
Db	1359	AGGAGAAAGGAGATAGAAAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	1545
Qy	1546	CTTGAGCTGGAAACGGAAATCGAAGGCAAGAAACTTAATCAAGAAACAGAGAG	1605
Db	1419	TTAGATGTTGGAAAGACTCTGGAGGAGCTCTGAGGCTAGAAGAACCGGGAAAGAGAA	1478
Db	1606	GACATAGTTGACTGAAAGCAAGAAAGAACCTTGGAAATTGAAATAGAGGCTTAAT	1665
Qy	1479	GACATTGTCAGGCTGAGCTCCAGAAAGTCTCACCTGGAACTGGAGCACTGAAT	1538
Qy	1666	GATAAAAGGATCAACTAGAGGAAACTCAAGATACTGAGTTGAGCTTCAACCTGAA	1725
Db	1539	GGAAACATGAGCAATCTCGGGAGACTAACAGATGTCAAATGAAAGCAARACAA	1598
Qy	1726	AGGGAAATTGAGGCAACAAATCTAGAGAGTTGAGAAATTGCGGAATCACCCAT	1785
Db	1599	AAGACTGAGCTGAGGTTGGATAAACACTGTGACITGAAATTTGAAATCAACAA	1658
Qy	1786	CTACAGCAACAAATTACAGGAATCTGCAAAATGCTGGAGACTTTCAGAAACAG	1845
Db	1659	CTTCAGCAACAGGCTTAAGGAAATATAAGCTTATCTATCTGGTCCCTGAGAGCAG	1718
Qy	1846	ATACAACTGACCAATTAAACAAACTCAGAGACAGTTGCAAGAGATTCACTGTG	1905
Db	1719	CTATTAACAAAGAAATTAAACATGAGCTGAGTCAACACTGTTAGGGATCAGT	1778
Qy	1906	ACATTAAGAGGCTTAAAGCAAAAGAAACTGCTGGAGACCTACAGAACACTG	1965

Db	1779	TTCATCTAAAAAGTCTACGAAAGGAAGATTATGCCAAAGACTTAAAGAACATTTA 1838	
Qy	1966	GATGAGTGGAAAGAACTAGATGAAACTACAGGAACTGTGATTTTCATAATCAG 2025	
Db	1839	GATGCTCTTGAAAGAAACTGCATTAAGCTCTCGAAATGGATTCACATTCAG 1898	
Qy	2026	CTGAAAGGAACTTAAGAGAAATAACATAAGCAACAATCCAGAAAGGAAAGTCATGGAG 2085	
Db	1899	CTGAAAGGAACTTCAGAAAGGTATAATACAGCAGTTAGCCCTTGACAACTTCATAAA 1958	
Qy	2086	GCTGAAGGACTGAAACAGAAAGAACAGAAAGAACAGAAAGATCATAGAAATTGAAAAA 2144	
Db	1959	ATCAAACTGTGACAAATTGAAAGAAATGAAAGATTAGACCAAAAAAA 2017	
RESULT 12			
	US - 09-827-271-72		
	Sequence 72, Application US/09827/271		
	Publication No. US20030165504A1		
	GENERAL INFORMATION:		
	APPLICANT: Retter, Marc W.		
	APPLICANT: Fangen, Gary R.		
	TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND		
	FILE REFERENCE: 210121_462C6		
	CURRENT APPLICATION NUMBER: US/09/827,271		
	CURRENT FILING DATE: 2001-04-04		
	NUMBER OF SEQ ID NOS: 461		
	SOFTWARE: FastSEQ for Windows Version 3.0		
	SEQ ID NO: 72		
	LENGTH: 2017		
	TYPE: DNA		
	ORGANISM: Homo sapien		
	US-09-827-271-72		
Query	GGCTGCATTAGCAGGTAAAACCTAACAGAAACCATTGGCTCAAGTTCCACACCTTCTGT	Score 507.8 ; DB 3 ; Length 2017;	
Best Local Similarity	55.8%	Pred. No. 4_9e-107;	
Matches	1138;	Mismatches 0;	
	Indels 99;	Gaps 5;	
Qy	9 GGTGTGAGCTGGATATGGCCATAAATCTGAGGAAAGGGAGCATGATCAGGGTGT	234	
Db	175 GGCGAGCTGGATATGGCCATAAATCTGAGGAAAGGGAGCATGATCAGGGTGT	234	
Qy	235 GGCGAGCTGGATATGGCCATAAATCTGAGGAAAGGGAGCATGATCAGGGTGT	294	
Db	69 GGAGGGCCAATATGTGGCTTATACTCTGAGAACTACTAACATGATATAACAGTT	68	
Qy	295 CATTGGTAAAGCCATACTCTGATTACTCTGGTGTGATGAACTTGTGTTTTTTT	128	
Db	129 GATAAACCTCAAACCTCAGGGTTAACAGGTGATCAGGGTGTCAAGGGTGT	188	
Qy	355 CAATCTGGTTACCTCAACCTGTTTAGCACAGATACTGGGACTATGTGACATGATAAT	414	
Db	189 CACTCGTCTGGCCGGTTAGGTGAATAATGGCCPTATCAGATCTGACAGCAG	248	
Qy	415 GATGGAGAAATGGATCAAGTGGAGTTCCATAGCTATGAAACTTATCAAACCTGAGCTA	474	
Db	249 GATGGAGAAATGGACCAAGACTCTCATGAAACCCCTATGTTCTCTCT	308	
Qy	475 CAGGATATGCTAACGTTCTGACTTCCCTGTGATGCTCCCTPATCATGAAACCAACTCATGAA	531	
Db	309 CAGGGCCAACAGCTGCTGAGCTTCTCCCTPATCATGAAACCAACTCATGAA	368	
Qy	532 ATTCCTAGGGCACCGCACTTGGATGGAGGTATGGCAGATGCCACGGTAACTGCT	591	
Db	369 CCACATTCATCTGCTGGATGGAAAGTAGCTTCACTTCATGCCA	428	
	-CATT	618	
Qy	592 GTTGCTCCAGTGGCAATGGATC-----		
Db	429 TTGGCTCCAGTGGCACTATGCCAACCCCTTGCTCTGCTCTCAGGACAGGTATT	488	
Qy	619 CCACTGGAAATGCTCCAAACCTAGTATCCTGTTCTGTCAGCAGCTGCCCC	677	

Db	489	CCTCCCTTAATGATGCCCTGCTCCCTAGTCCTCTGTATTACACCTCTGGCTCATCTGGAGCC	738
Qy	679	CTGGCTTAACGGGCTCCCCCTGTATTACACCTCTGGCTCATCTGGAGCC	738
Db	549	GGAACTGCAGTCATTCAGCCTTATCAGCCTCAT	608
Qy	739	AATTTGCCAAGAGTTCTCTCTTAGTATCTGTCAGGTCAGACTAAACCTAAA	798
Db	609	GCTATCATCTTACAGCCTGATGATGGAGATTGGTGCTAGTATCCAGAGGCCAG	668
Qy	799	TTCACAAAGGCACGTCAATTGATGGCCAGTGTCCACCG	-
Db	669	TCTCTGATGATTAGGATCTAGCTGAACCTCTCAGTCAGACTAAATACAGG	728
Qy	842	- - - - - TGGCAGAGTGGCTGTTCCCTAGTCAGACTAAATACAGG	885
Db	729	TCACCTAACAGGGACCTCTAGATGGCAAGTGGCAAGTAAAGATTCGG	788
Qy	886	CAATTATICAATAGTCATCACAAACTATAGTCAGTCAGCTAACCTTAACAGGCTCCAAAGCAGA	945
Db	789	CAAAAAATTAAATAGCTTACACAAACGGCATAGCGATAACCTCTCAGCTTCAAGCTGTA	848
Qy	946	ACTATTCTTATGAGTCAGTTAACACAGGCTAACCTGGCTTCAATATGGAAATCTTCT	1005
Db	849	AATGCCCTCTCTCTGTCATCTCTCAACTCTGACTAATTGGACTCTGGCT	908
Qy	1006	GACATTGATCAAGATGAAACCTAACAGCAGGAAATTATCCTGGCAATGACCTCATT	1065
Db	909	GACATCGATGGTGAAGCAGTGTGAAGCTGAAGATTATTCTGGGATGACCTCAGT	968
Qy	1066	GATGAGTGTATGTCGCAACCACCTGCCACCTGTCCTGCTCTGGCTTCAAGATACTTCACCT	1125
Db	969	GACATGCCAAAGCTGACAGGCCACTAACACTGACCTTCTGGCTTCTGCTCCA	1028
Qy	1126	TCTTTAGAGAGGTGATCTGGCAAGTGGTATATCTGTCATAAGCTAACATCTGTAGAT	1185
Db	1029	TCTTCAGGGGAAAGCAGTGTATCTGGAAACTCTGCTTCAAT	1082
Qy	1186	CAGAGCTTACCGAGGAAACCGATTAGAAGATGAACAACAAATTAGAAAGAAATTA	1245
Db	1083	CAGAAAACAAGAGAAAGCCT -	-
Qy	1246	CCTGTAACGTTGAGATAAGAAGGGAGAACCTTGTGAACTCTGGCAACCTGGCAACTGGAG	1305
Db	1119	CCAGTTACUTTGAGGACAACGGGAAGGCAACTATGAAAGGAAACATGGGCTGGAG	1178
Qy	1306	AAACCAAGGCAAGTCTCTGGAAAGCAGGCCAAAGGAGGGCCCTGGCCAGCTG	1365
Db	1179	AAGGCCAGGCAAGTGTGTGAGGAGGGCAAGGAGGGCTGAACCGAAAGGCCAGAAA	1238
Qy	1366	GAGCGGGAGGAGGAGGAAAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1425
Db	1239	GAGAGGAAAGTGTGGAAAGCAGGAAACAGAGAGAACTGDAAGGCAAGATGGAAAGCAG	1298
Qy	1486	AGGAGGAAAGAAATGAGGCGAGGGCTGAAAACCGGAACTTGAAGGCCAACGACAA	1541
Db	1359	AGGAGAAAGGAGATACAAAGCAGGGCAGAAACAGGAGCTTGAAGACAACGCCGT	1411
Qy	1546	CTTGAGCTGGGAAACGGGATGAGGCAAGAAAGAACCTTGGAAATTGAAAGAACAGAG	1605
Db	1299	CTGGAGTTGGAAAGACTGGCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1355
Qy	1419	TTAGATGGAAAGACTGGCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1479
Qy	1666	GATAAAAGCATCRACTAGAACGGAAACTTCAGATCGATGTCGATGACCCCCAA	1722
Db	1539	GGAAAACATCAGCAGTCTCGGAGACTACAGAACATGTCGAAATTCAGAAGAACACAA	1591

SEQ_ID	SEQUENCE	TYPE:	ORGANISM:	LENGTH:	Score	DB	Length	2017:
1299	CTGGAGTTGAGAAACGCTTGGAGAAAAGAGAGAGCTGGAGAGACGGGGAGAAGG	1358	Qy	9.8%	507.8	8		
1486	AGGGAAAAGAAATTGAGGGAGAGGGTCAAACGGGAACCTTGAANGCACGACA	1545	Db	55.8%	55.8	10	4.9e-107	Pred. No.
1359	AGGGAAACGAGATAAGAACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGCCT	1418	Qy	0	1	1		Mismatches
1546	CITGAGTGGAAACGGAATCGAAGGCAAGGACTACTAAATCAAAGAACAGAG	1605	Db	0	1	1		Indels
1419	TTCAGATGGAAAGACTCCGTGGCTGCTAGTAGAGAACGGGGAGAACAGA	1478	Qy	0	1	1		Gaps
1606	GACATAGTTGACTGAAACCAAGAAAAGACTTGGAAATTGAGATTAGAAGCTCTAAT	1665	Db	129	129	129	129	129
1479	GACATTGTAGGCTGAGCTCCACCTGGAAAGTGCAGTGTGAACTGTGAAAT	1538	Qy	355	355	355	355	355
1666	GATAAAAAGSCATCAACTGAAAGGAAACTCAAGATACTAGATGTCGATGACCCCA	1725	Db	189	189	189	189	189
1539	GGAAACACATCGAGGAGATCTCGGGAGACTACAGATGAACTCAAGAACACA	1598	Qy	415	415	415	415	415
1726	AGCCAAAGAAATTGAGGCCAACAACTTAATCTAGAGAGTTGAGAATTCACCCAT	1785	Db	249	249	249	249	249
1599	AAGACTGTAGCTAGAGTTGGATAAACAGTGTGACCTGGAAATTGAGAAATCAACAA	1658	Qy	475	475	475	475	475
1786	CTACAGCCAACTTACAGGAATTCTAGCAAACTTCCGAAATTCAGGAAACAG	1845	Db	309	309	309	309	309
1659	CTTCACACAGAGCTTAAGGAAATTCAAATAAGCTTATCTATCGTCCTGAGAGCAG	1718	Qy	532	532	532	532	532
1846	ATATCTAACTGACCATTAAACAAAGTTCAGCAGAACAGTTGAGATTCACTTGT	1905	Db	369	369	369	369	369
1719	CTTAAACCAAGAAAGTTAAACATGGACCTTCAGTAAACACACTCTGATTCAGGATCATG	1778	Qy	592	592	592	592	592
1906	ACACTTAAAGAGCCTTAGAGCAAAGAAACTAGCTGGAGAACCTAGAGACCAACTG	1965	Db	429	429	429	429	429
1779	TTACTTCATAAAAGCTCATGAAAGGAAATTGCCCCAAAGCTTAAAGAACTATA	1838	Qy	619	619	619	619	619
1966	GATGAGTGTGAGAAAGAAATTAGATCAAAACTACAGGAATTGATATTCTAAATCAG	2025	Db	489	489	489	489	489
1839	GATGCTCTGAAAGAAACTGACATCTCACTCTCGAAATTGGATTCAAACTTAG	1898	Qy	679	679	679	679	679
2026	CTGAGGAACATAAGGAAATACACATACAGGAAAGCTCGAACAGGAAAGTCATGGAG	2085	Db	549	549	549	549	549
1899	CTGAGGAACACTCGAGAACTTACAGGAACTTACAGGAGTTGCCCTTGAAACACTCATAA	1958	Qy	739	739	739	739	739
2086	GCTGAAAGACTGAAACAGAAAGGAAACAGAAAGCATAGAAATTGAAAAACAAAA	2144	Db	609	609	609	609	609
1959	ATCAAACGTCGACAAATTGAGGAAATCGAGAAAGATTAGAGCAAAGAAATGAGCAA	2017	Qy	799	799	799	799	799
			Db	669	669	669	669	669
			Qy	842	842	842	842	842
			Db	729	729	729	729	729
			Qy	886	886	886	886	886
			Db	789	789	789	789	789
			Qy	946	946	946	946	946
			Db	849	849	849	849	849
			Qy	1006	1006	1006	1006	1006
			Db	909	909	909	909	909
			Qy	1066	1066	1066	1066	1066
			Db	969	969	969	969	969
			Qy	1126	1126	1126	1126	1126
			Db	1029	1029	1029	1029	1029
			Qy	1186	1186	1186	1186	1186

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OM nucleic - nucleic search, using bw model

Run on: February 14, 2006, 05:15:32 ; Search time 837 Seconds (without alignment)
11041.270 alignment cell updates/sec

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Perfect score: 5199
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Scoring table: IDENTITY_NUC Gapop 10_0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
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Post-processing: Minimum Match 100%
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Listing First 45 summaries

Database : Issued Patents NA:
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 4: /cn2_6/.ptodata/1/ina/6B COMB. seq.*
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 7: /cn2_6/.ptodata/1/ina/BP COMB. seq.*
 8: /cn2_6/.ptodata/1/ina/RE COMB. seq.*
 9: /cn2_6/.ptodata/1/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Description	Length	DB ID
1	551.6	10.6	Sequence 1739, Ap	5813	US-09-949-016-1739
2	507.8	9.8	Sequence 72, Appl	2017	US-09-404-879A-72
3	507.8	9.8	Sequence 72, Appl	2017	US-09-338-333-72
4	507.8	9.8	Sequence 72, Appl	72	US-09-215-681-72
5	507.8	9.8	Sequence 72, Appl	2017	US-09-216-003A-72
6	507.8	9.8	Sequence 72, Appl	2017	US-09-667-057-72
7	507.8	9.8	Sequence 72, Appl	2017	US-10-198-053-72
8	507.8	9.8	Sequence 72, Appl	2017	US-09-827-271-72
9	165.4	3.3	Sequence 27927, A	174	US-09-513-99C-27927
10	165.2	3.2	Sequence 193, App	2873	US-08-63-15A-193
11	165.2	3.2	Sequence 193, App	2873	US-09-879-957-193
12	163.8	3.2	Sequence 39, Appl	747	US-08-63-915A-19
13	163.8	3.2	Sequence 39, Appl	747	US-09-879-357-39
14	153.4	3.0	Sequence 5, Appli	531	US-09-404-879A-5
15	153.4	3.0	Sequence 5, Appli	531	US-09-138-333-5
16	153.4	3.0	Sequence 5, Appli	531	US-09-215-681-5
17	153.4	3.0	Sequence 5, Appli	531	US-09-216-003A-5
18	153.4	3.0	Sequence 5, Appli	531	US-09-667-057-5
19	153.4	3.0	Sequence 5, Appli	531	US-10-198-053-5
20	153.4	3.0	Sequence 5, Appli	531	US-09-827-271-5
21	149.2	2.9	Sequence 60, Appli	480	US-09-104-879A-60
22	149.2	2.9	Sequence 60, Appli	480	US-09-338-333-60
23	149.2	2.9	Sequence 60, Appli	480	US-09-215-681-60
24	149.2	2.9	Sequence 60, Appli	480	US-09-216-003A-60

ALIGNMENTS

RESULT 1
US-09-949-016-1739
Sequence 1739, Application US/0949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al. IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL01307
; CURRENT APPLICATION NUMBER: US/09/949 , 016
; CURRENT PILING DATE: 2000-04-14
; PRIORITY APPLICATION NUMBER: 60/241,755
; PRIORITY FILING DATE: 2000-10-20
; PRIORITY APPLICATION NUMBER: 60/237,768
; PRIORITY FILING DATE: 2000-10-03
; PRIORITY APPLICATION NUMBER: 60/231,498
; PRIORITY FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 20102
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 1739
; LENGTH: 5813
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-1739

Query Match 10.6%; Score 551.6; DB 3; Length 5813;
Best Local Similarity 50.8%; Pred. No. 4.4e-121;
Matches 1594; Mismatches 1594;

Qy 184 TAGCAGGTAAAGTACGAAACCATGGCTCAGTTCCAAACACTTGTGCGAGCCCTG 243
Db 18 TAGGAGAAAACGGACCATGCGCTAGTTCCCACGGCTATGATGGGGCCA 77

Qy 244 GATATCTGGGCCATTACTGTAGGAAAGGGAGAGTACGAGTCAGTTCAATGTTTA 303
Db 138 AAACCTTCAGGGTTCAATACGTGATCAAGCACGTATTTCCTAACATCAGGT 197

Qy 78 AACATGTGGCTATTACCTCTGAAGAACGTACTAAGCATGACAGGCCAGTTGATAACCTC 137
Db 304 AAGGCAAATATCTGGATTCAATACGTGATCAAGGTAGACTTTTCAATGGGG 363
Qy 198 CTGGCGCCCTGTGTTAGCTGAATAATGCGCTTATCAGACCTAAACAGGGTGGGAAG 257

Qy 424 ATGGATCAAGTGGATTCCATACCTGATAACTGAAGCTAACAGGATATGAGCTAAAGGAT 483

Db	258	ATGGATCAGCAAGAGTTCTCCATAGCTATGAAACTCATCAAAGCTCAAGGCCAA	317	Qy	1498	ATTGAGAGGGCGAGGGCTGCCAAAAGGGAAACTTCGAAAGGCAACGACAACCTTGAGTGGGAA	1557
Qy	484	CAGTACCCCTCTGCACTTCCCCTGTCACTGAACAGCAACC--AGTGCCTATTTCTAGC	540	Db	1368	ATAGAAAGCAGGAGGGAGCAACGACAACGTCCTTGAATGGGAG	1427
Db	318	CAGTTGCTGTGGTCTCCCTCATATTAGAAACCCCTATGTTCTCCATTATT	377	Qy	1558	CGAAATCGAAGGCAAGACTTAATTCAGAACAAAGAACAGGACATAGTGTGA	1617
Qy	541	GCACCGGATTGGTGTGGAGGTATGCCAGATGCCAGCTTACGGCTGTGTC	600	Db	1428	AGAATTCGGCAGGGCTCTCAATCAAGAACAGAACAGAACATGTCAGG	1487
Db	318	TCTGCTCGTTGGAAATGGAGATGCCAACTGTCATTCTCACCCATGCC	437	Qy	1618	CTGAAAGCAGGAAAGAAAGACTTGGAAATTGAAATTGAAAGCTAAAGACAT	1677
Qy	601	GTGCCAATGGATC-----CATTCAGTTGTGTTGAA	630	Db	1488	TAACTCTAAAGAAGAATCTTCACTTGTGTTGAAAGCTGATGGCAACATCG	1547
Db	438	GCTGCACTTAAACATCAATTGTCCTGGACTGCCAACCTTCCTTAAATG	497	Qy	1678	CAACTGAAAGGAAACCTCAGATACTAGATGTCGATTGACCCAAAGGAAATT	1737
Qy	631	ATGTCCTCAACCCCTGAGTATCTCTGTTCCACAGCAGGTGTGCCCTGGTAA	690	Db	1548	CAGATCTAGGCAAGCTCAGATGTCGACTCAAAAGCAACTCAAAAGCTGAGCTG	1607
Db	438	ATGCCACTTCCCTTAGTGGCTTCTGCTTGTGAGCACATCAATTACCAAA	557	Qy	1738	GGAGCAGAACAAACAACTAGAGTTGAGAAATTGCCAAATCACCCTTACAGCAACAA	1797
Qy	691	GCTCCCCCTGTATACAAACCTCTGCTCATTTGCTCATCCRCAGGCCACATGCCAAAG	750	Db	1608	GAAGTCTGTTAGCAGTGTGACTTGCAAAATTGCAAACTAACAGCAACTTCAACAGCAA	1667
Db	558	CTCATTCGCCCTTACCACTTCTGCTCATTTGCTCATGGTCATCPAT	617	Qy	1798	TTCAGGAAATCTGCAAAATGTTGGAGACTTATTCGAAAAACAGATACTCAATG	1857
Qy	751	AGTTCCTCTCTTGTAGATCTGGTCCAGGTCAACACTAAATTACAAAGCA	810	Db	1668	CTTCAGGAAATTCGAACTTACGAAAGTGTACCTGAGAGCAATTAAATGAA	1727
Db	618	AGTCGTGATGATGGAGGATTGGGGTGTAGTATACGAAACCGCACTCTGAT	677	Qy	1858	CAATTAAACAGCTTCAGCAGAACAGTTCAGCAGAGATTCACTTAAAGAA	1917
Qy	811	CAGTCATTTGCAAGTGGCACTGCCAACAG-----	841	Db	1728	AGATTAAAAATCGCAGTTCTGTTAACACCTGATTAGGGTCAGTTATTCATAAA	1787
Db	678	TAGGATCTAGTGTCTCAACTTCTGACTGTCACITCTCAGGAACCTCACCCAAAGACT	737	Qy	1918	GCCTTAGAGGCAAGAGACTAGCTGGCAGCAGCTTACGGACCAACTGGTGAAGCTG	1977
Qy	842	--TGGCAGAGTGGCTTCTCTCACTGTCATCAAGCTGAATACGGCAATTATTGAT	897	Db	1788	AAATCATTAGAAAAGGAGAAATTATGCCAAAGACTTAAGAACAGTTGCTCTGAA	1847
Db	738	GGACACTTGTAGTGGAGTGGCTCTCAGCTACAGATTAAATATGCCAAATTAT	797	Qy	1978	AAAGAAACTAGATCAAAACTACAGGAGTTGATAATTTCATAATCAGTGAAGGACTA	2037
Qy	898	AGTCATGCAAAACTTGTGACACTTAACAGGCTCCCAGCAAGHACTATTCTATG	957	Db	1848	AAAGAAACTGCACTGCACTTAAGCTGTCAAAATGGATTCTTAACTCAACTAAAGGAACTG	1907
Db	798	ACTCTGCAAAACTATGAGTGTATCTCTGAGTTCTCAAGCTAGAAATGCCCTCT	857	Qy	2038	AGRAAAATACACRATAAGCAAACTCAGAACGAAAGTCATGGGGTCGAAGGACTG	2097
Qy	938	CAGTCAGTTTACCAAGCTCACTGCTTACATATGAACTTTCAGCTTGTAA	1017	Db	1908	AGRAAACTTACACAGAGTTAGCCCTTGAACTGTTATAGATCAACAGTGC	1967
Db	858	CAGTCAAATCTCTCAACTCTGGCTACTATTGACTCTGGTACGTTGATGT	917	Qy	2098	AAACAGAAAGAAAGAGAAAGATCATGAAATT-----AGAAAAAAACAAAGAA	2148
Qy	1018	GATGCAAAACTTACAGCAGGAAATTACCTCTGCAATGTCACCTCATGTTAGT	1077	Db	1958	AAGTGAAGGAAATGAAAGGAAAGTAACTGAAACTATGCAAAAGAACTAGAGAT	2027
Db	918	GATGGACACTTAAAGCAGAAAGTTTACCTCTGGCTTACTGACATTGCGCAA	977	Qy	2149	GAAGGCCAAAGGAGGAGTCAGAAAGGACAGACTGGCTGAGCATGTGGAGCAG	2208
Qy	1078	TCTGGCCACCACTGCCCCTGTGCTCCAGAAATACATTCACCTCTTGTAA	1137	Db	2028	GAGGCTGCAAGGAAAGGAAAGGAAAGGAAAGGAAACTTATGAAAGAAATTTGAAAG	2087
Db	978	GCTGACGCCATTACCTGACTTTACCTCTGGCTTACCTCTGGCTTCAAGGGA	1037	Qy	2209	GACGACCATCAGAACGACCAAAACTCAGAACGAGGAAAAACTGAAAGGGAGAGT	2268
Qy	1138	GTCGATCTGGCACTGGTATCTGCTATAGCTCAAGTCCTAGTCAGGGCTACA	1197	Db	2068	GAGGAGGAAAGAACAGAACGAAAGGAAAGGAAAGAACAGGAAACAGGAA	2147
Db	1038	G---GAAACCAAAATTGATGCCATTAAATGCAACTCTGCTCTCATATGCAAGAA	1094	Qy	2269	GTCAGAAAGGATGGGAGGAAAGGCAAAACAGGAGG-CACAAAGACAAGCTGGTC	2327
Qy	1198	GAGGAACCAAGTTTGTAGAATGAAAGAACAACTATTGAAAGTAACTGTAACGTT	1257	Db	2148	GACCAACGGAAAGCTGAGGAAACAGTAACTTGTAAAGGATAAGGAT	2207
Db	1095	GAGGCGCTC-----	-----	Qy	2328	GCTTTCCATCACACCAAGAACGCTTCAAGGACCTGGCTCAGCTGGTCACTGC	2387
Qy	1258	GAGATAAGAGGGAGAACCTTGTAACTGGGAAACGAGGAAAGCAAGGAA	1317	Db	2208	AGAACCATGATGATGAGTTTAATCTGGAGATAATACTGGGTTGAAATTATGAGCT	2267
Db	1128	GAGGACAAACGGAAAGCAACTATGAGCAGGGAAACATGGCTGAAAGCAGCAA	1187	Qy	2368	AGAAAAGGTCACCTTACCTGACAGAAATGAAAGTGTATTACCCGGC	2447
Qy	1318	GCTCTCCGGAAAGCGGCCAAGGAGGAGGAGGCCCTGGCCAGGAGGGCGAG	1377	Db	2268	AGAACCATGATGATGAGTTTAATCTGGAGATAATACTGGGTTGAAATTATGAGCT	2327
Db	1118	GCCTTGATGGAGGCCAACAAAGGGGCCAGTAAGGCCAGAACAGGAAAG	1247	Qy	2448	ACTGTACCCCTTGTAAAGGCCATGATGAAATCACTATCAGCCAGGAGACATG	2507
Db	1378	CAGGAGGAGGGCGTGAAGGCCAGGAGCAAGAACACTGGAACCTGGAG	1437	Db	2328	GTAGGAGAACCTGGTGTGCTTATGGTAGTTCAAGGAAATTGGTTCCATG	2387
Qy	1438	AAGCAACTGAAAGAGGGGGACTAGAACGGGAGAGAGGAGGAGGAAAGAA	1497	Qy	2508	CATGCTGGATGA-----AGGCCAACCGGGCTGGCTGGAGGAGAA	2556
Db	1308	AAACGGCTTAGAGAACGGCAACGGGAACTGGAGAACACAGGAAAGAAC	1367	Qy	2388	AATTATGTAGAAAATGCCATCAAGTGAAGAAAAGCTGTATCTCAAAGAAGGCC	2447

Qy	2557	TAAAAGGAAAGACAGGGTTCCCTGAAACT--ATGAGGAGAAATCCAGAAAT 2613
Db	2448	TTACTCTCTTACAGTTCTTATCTGTACCTCAACTTCTGAACTTCTTCCTCA 2507
Qy	2614	GAGGTCCCGCTTCACTGAAACCAGTGACTGATTCAACATCTGCCCTGCCCAACTG 2673
Db	2508	AATCACCAAGATCAGGACTGATTCAAAATGTAATCTTCAACCTAACTGTAAAT 2567
Qy	2674	GCCTTGGTGAAGCCCCCTTGGCACTAACCTCTTCAAGGCCCTCCAGGCCCT 2733
Db	2568	ACATCATGGCAAAAAATCACCCCTTCACTGAACTGTGCCCCTGGATCTGATCACCT 2627
Qy	2734	AATAACTGG-----GCCCACTTAGCTCCACCTGGCCACAGCACGAATGAGAAA 2784
Db	2628	ATTCACTGACAGGGCAAAAGTGTAGAAAACCTTAAAGACAGGCCCTTGTCTGACT 2687
Qy	2785	CCAGAAACGGATAACTGGATGTCATGGCAAGGCCAGCCCTCTCAACGGTCAAGTGCC 2844
Db	2688	GAAAAGAAGATAACCACTGAACTTCAACATGACATATTACTGCTTGGACAG 2747
Qy	2845	GGCCAGTTAAGGCAGGGTCCGCCCTTAACCTCCAGCAAGGCCACTGGCTCCCTCCGCTCT 2904
Db	2748	CAAGAAATGGTGGTTGGGAGGGTGTGATGAGGAAGGGATGGTTCCAATACTTAT 2807
Qy	2905	CCTGTGTAGGCAGGGTAAAGGTGGAGGGCTAAAGGTCAAGGCTCTATATCCTTGG 2964
Db	2808	GTCAAAGATCATTCCTGGAGTGAAGTAAACGGGAAGAACCAAGGCTTGTGAGGCT 2867
Qy	2965	AGAGCaaaaAGACAACCTTAATTTAACAAATGATGATCAACCGTCTGGAA 3024
Db	2668	GTAATAGAAGACCTACCTGGCCGCCATTCAAGTGGAGGAAATAATTGACTTTAT 2927
Qy	3025	CAGCAAGACATGGTGGTTGGAGAACTTCAGGTCAAGAAGGTGGTGTCCCAGTCT 3084
Db	2928	C-CATATCRAAGTGGAAACCTGGATTTGACTTCAAGAGGGTGAAGAAATAATTGGT 2986
Qy	3085	TACGTGAAACTCAATTAGGGCCATTAAAGGAAGTCTCAAGCATGGATTCTGTCTTCA 3144
Db	2987	GACCCAGAAAGATGGAGTGGTGGAGCAAGGAAGTTCGAGATAAGTGGAAATTTCC 3046
Qy	3145	GAGAGTCTGCT-----AGCTAAGCAGTAGCTCTCCAGAACGCCAAGCGGTCTG 3196
Db	3047	ATCAAACTATGTCAAACCAAAAGGATCAAGAGGTTTGGAGTGTGCTGAGGAG 3106
Qy	3197	TTCTGGGGAA----GAAATTCGCAAGCTTATGCTCTCATACGCGCACCGCCCGA 3251
Db	3107	ATCAAAATAAAAACCTGAGATTCTCAGTAACCTCAGGATATGTTGCTTCTGTTCTGA 3166
Qy	3252	GCAGCTCACTTGCCCCCTGGTCAAGCTGATTGATCTGGAGTGTGCTGAACTGGTGTG 3311
Db	3167	ACAACTTACGCCCTTACAGTGTGATGTTGATGTTGATGTTGATGTTG 3226
Qy	3312	GTTGGAAAGGAGCTGGCAAGCACTGGTGGAAAGGCCAGATGGCTGGTCCAGCTAA 3371
Db	3227	TTGGCAAGGAGGTTACGGCCAGGAAAGGAGTGGATGTTGAGCTAACAGGAGGACCTG 3286
Qy	3372	TTATGTTAAAGCTTCAAGCCCTGGAGGCAAAATACTCCACAGGCCACCTAAAGTC 3431
Db	3287	TCATGTTAAACCTTGGTCAAGTGTCAAGGGCCA-----C-----C 3325
Qy	3432	AACAGCATTAGCGCAGTGTGCAAGGAACTCAACTTCAACAGGGCAGATCATCAAGTC 3491
Db	3326	ACCTGCGTTTCATCTGTAGTGTGATGTTGATGTTGATGTTG 3385
Qy	3492	CGATGAGCTGGCTTCAACAGGGCAGATCATCAAGTCCTCAACAGGGACCTGCA 3551
Db	3386	AGATGAGGAGGAGTGTAGCAAAAGTGGGCTCTTCCATCAATTATGAGGAT 3611
Qy	3552	CTGGTGGCAAGGAGGAGTCAACGGGAGTCAACGGGAGTCTTCTCCTTCT 3505
Db	3446	TTGTGGCAAGGAGGAGTCAACGGGAGTCAACGGGAGTCTTCTCCTTCT 3641

Qy	799	TTCACAAAGGCACAGTCATTGTGTTGCCCCAGTGTCCCACAG-----	841	Db	1719	CATTAACGAAAGAATTAAAACATGCCCTCAGTCATTAACACCTGATTAGGGACAGT 1778	
Db	669	TCTCTGATTGATTAGATCTAGTCACAATCCCTCAACTCGCTCAGGGAC 728		Db	1906	ACACTTAAAGAGCCTTAGAGCAAAGAAACTAGCTGGAGCACCTACAGAACACTG 1965	
Qy	842	- - - - - TGGCAGAGTGGCTGTTCTCTGATCATCAAGACTGAATAACAGG 885		Db	1779	TTCATCATAAAAGTCATAGAAAGGAAATTAGCCAAAGCTTAAAGATTA 1838	
Db	729	TCACTTAAGACAGGGACCTCAGTGGCAAGTCTCCGCTCAAGTAAAGTATGG 788		Db	1966	GATGAAGTGGAGAAAGAAACTAGTCAAACTACAGGAGTTGATAATTTCAAATATCAG 2025	
Qy	886	CAATTATTCATTAAGTCTGAAACAAACATPDTGAGTGGCACTTAACGGTCAAGAGA 945		Db	1839	GATGCTCTGTTGAAAGAAACTGATCTCAACCTCTCAAGTAACTTCAGATCAG 1898	
Db	789	CAAAATTATTAATAGTCTGAGCAAGGCTTGAGGATACCTCTAGGTTCAAGTGA 848		Qy	2026	CTGAGGGAACTAAGGAAATAACATATAGCAACAACTCCAGAGAAAGTCCATGGAG 2085	
Qy	946	ACTATTCTTATTCAGTCAGTTTACACAGGCTCAGCTGGCTCAATATGGAAATCTTCT 1005		Db	1899	CTGAGGGAACCTCAGGAAAGCTTACAGCAGGTTGCCCTGAAACACTTCATAAA 1958	
Db	849	AATGCCCTCTTCAGTCAGTCATAATTCAGTCAGTACTATTTGACTCTGCT 908		Qy	2086	GCTGAAGCAGTGAACAGGAAAGACAGAGAAAGATCATAGAAATTAGAAAAACAAA 2144	
Qy	1006	SACATGATCAAGTGAACACTTACAGCAGGAAATTATCTGGCATGCACTCTATT 1065		Db	1959	ATCRAACGIGACAAATTGAGGATCTGAGAAAGATTAGACAAANAAA 2017	
Db	909	ACATCGATGGGACCTGAAAGCTGAAATTATTCTGGCATGCACTCTACT 968					
Qy	1066	GATGTAACCTATCTGGCCAAACACTGCACCTGTCCTGCTCCACCT 1125					
Db	969	ACATGCCAAAGCTGACAGGCCACTACCCTGACCTGCTCCGAGCTGTCTCCCA 1028					
Qy	1126	TCTTTTAAAGAGTTGATCTGGCAGTGGTATATCTGTCATAAGTCACATCTGTAGAT 1185					
Db	1029	TCTTCAAGGGGAAAGCAAGTGTAT --- -TCGTGTAATGGAACITGCTTCATAT 1082					
Qy	1186	CAGAGGTACCGAGGAACTGTTAGAAGTGAACAACTTAAAGAAATTAA 1245					
Db	1083	CAGAAAACACAGAAAGAGGCT-----CAGAGAAACTG 1118					
Qy	1246	CTGTAACGTGTTGAAAGATAAGGGAGAACCTTGACGTGGCAACCTGGACTGGAG 1305					
Db	1119	CCAGTGTACTTCTGGACAAACGGAAACCTATGAGGAAACATGGCTGGAG 1178					
Qy	1306	AAACGAGGCAAGCTCTGGAACACGGCCAGGGAGGGCTGGCCAGCTG 1365					
Db	1179	AAGCGGCCAAGTGTGTGATGGAGCAGAAGGGCTAACGCAAGCCAGAAA 1238					
Qy	1366	SAGGGGGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1425					
Db	1239	SAGAAGGAAAGATGGGGGAAACAGAGAACTGCAAGAGAAAGAGGAGG 1298					
Qy	1426	CTGGAACCTGGAGAGCACTGAAAGGAGGAGCTGAGGGAGGAGGAGG 1485					
Db	1299	CTGGAGTGTGGAGAACGTTGGGAAACAGAGAGCTGGAGACAGGGGGAGAG 1358					
Qy	1486	ACGAGAAAGAAATTAGAGAGGAGGAGCTGAAAGGGCAACGAGAA 1545					
Db	1359	AGGAGAAAGGAGATAGAAGACAGGGAGGAGAACAGGGAGCTGGAGAGAACCGCT 1418					
Qy	1546	CTTGACTGGCAACGGAAATCGAAGGCAAGAACTTAATCAAGAAAGAACAGG 1605					
Db	1419	TTGAATGGGAAAGACTCGTGGCGAGAGTCTCACTCGAGAGACGGAAAGA 1478					
Qy	1606	GACATAGTTGACTGAAAGCAAGAAAMAGACTTGGATTTGAAACTGCTTAAT 1665					
Db	1479	GACATGTCAGGTGAGTCAGATCTGGAGAAAGAAAGTCTCACTGGAAAGTGTGAT 1538					
Qy	1666	GATAAAAGCATCACTGAAAGGAAACTTCAGATGATGAGTCACTGGAACTTCAAA 1725					
Db	1539	GGAAACATCAGCAGATCTGGAGCACTACAGATGTCAAATCAGAAAGCAACCAA 1598					
Qy	1726	AGCGAAAGAAATTGAGGAGGACAAACAAATCTAGAGAGTTGCGCAATCACCCT 1785					
Db	1599	AAGACTGAGCTGAGTTGGATAAAAGCTGAACTTAAAGGAAATCAAACAA 1658					
Qy	1786	CTACAGCAACAAATTACAGGAATCTGAAATCTGGAAAGACTTATCCAGAAAAACAG 1845					
Db	1659	CTTCAAACAGGCTTAAGGAAATCATCAATCTGGCTCCCTGAGAAAGCAG 1718					
Qy	1846	ATACATGACCAATTAAACAGTTCAGCAGAAACAGTTGACAGAGATTCAGTGT 1905					
Db	369	CCACTATCCTGTCGTTGGGAACTTCATGACGCCA 428					
Qy	592	GTGCTCCAGTGGCAATGGGATC 591					
Qy	532	ATTCTAGGCCACAGGACCTTGGGAGGTTGCGACCATGCCCTTACAGCT 591					
Db	309	CAGGCCACAAAGCTGCTGTTGGCTCCCTCATATGAAACACCCCTPATGTTCT 368					
Qy	532	ATTCTAGGCCACAGGACCTTGGGAGGTTGCGACCATGCCCTTACAGCT 591					
Db	369	CCACTATCCTGTCGTTGGGAACTTCATGACGCCA 428					
Qy	592	GTGCTCCAGTGGCAATGGGATC 591					

Matches	Conservative	O	Mismatches	802;	Indels	99;	Gaps	5;
Qy	175	GGCGTGTGATTAGCAACGAACTAAGATAACCTGCTCGATTTCCAACACTTCCTGGT	234					
Db	9	GGCTGTGAGGCTGTCGAAGAAGTCTGGCATATCTGGCTCAAGAAGTCTGGATGTAAT	68					
Qy	235	GGCAGGCTGGTATCTGGCCATAACTGTAGGAAAGGGAAAGCTGATGTCAGCTGGATAT	294					
Db	69	GGAGGCCAAATATGGCTTACATCTGAGACGTACTAGTGTATAAACAGTTT	128					
Qy	295	CATAGTTTAAGCCAATATCGGATTCATTCAGTGTAACTTTTTTTT	354					
Db	129	GATAACCTCAACCTTCAGGGGTTACATACAGGTCACTAGCCCCTACTTTTCCCTA	188					
Qy	355	CAATCTGGTTACCTCAACCTGTTAGCAAGATAATGGCACTAGTGTACATGAAATAAT	414					
Db	189	CACTAGGGTCTGGGGCCCTTATAGCTGAATAGGGCTTACATCTGAGAACAG	248					
Qy	415	GATGGAAAGAAATGGTCAAGTCAGTGTGGAAACTTATCAACTGAACTGTA	474					
Db	249	GATGGAAAGATGGACCAGCACAGTCTCTATAGCTATGAACTCATCAAGTTAAAGTTG	308					
Qy	475	CAAGGATATCAGCTTACCTGACTTCCTCTGCACTTCCCTGTCAAGCAACC---AGTTGCT	531					
Db	309	CAGGGCAACAGCTGGTACTCTCCCTTATCATGAAACAACCCCTATGTTCTCT	368					
Qy	532	ATTTCTTAGGGCACCTGGGATTTGGTGTGGGSTATCCAGATGCCCACGGTTACAGCT	591					
Db	369	CCACTAATCTGCTCGTCTGGATGGAAACATGCCATTCTGTCTCATCAGCCA	428					
Qy	592	CTTGCTTCAGTCAGTCAGCTGGGATC-----CATT	618					
Db	429	TGCTCTCAGTCAGTCAGCTGGGACCTATAGAAACACCCCTGTCCTGTCTGACTT	488					
Qy	619	CCAGTGTGGATGTCTCCAAACCTAGTATCTCTCTGCTCCACAGCTGGCCCCC	678					
Db	489	CTCCCTCTTAATGCTGCTCCCTATGCTGCTCTGGCTTCTGTTAGTACATCTCAAT	548					
Qy	679	CTGGCTAACGGGGTCCCCCTGTTATACAACCTCTGCTGATTGCTCATCTGCAGCC	738					
Db	549	CGAACTGCCAGTCCTCATCATTCTGCTTATCCATTCTCAGCTTCAACATGCCCTCAT	608					
Qy	739	ACATGGCCAAGAGTTCTCTTGTAGATCTGGTCCAGGTACAACTAACACTAA	798					
Db	609	GTATCATCTTACGCCCTATGATGTTGGGAGATTGGTGTGTAGTATCGAGGGCCAG	668					
Qy	799	TTACAAAAGGCCACAGTCATTGTATGTTGCCACAG-----	841					
Db	669	TCTCTGATTGATTAGGTCATTAGTCACCTCCCTCTGGGAC	728					
Qy	842	-----TGGCAAGTGGCTGCTCTGATCAAGACTGAAATAACAGG	885					
Db	729	TGCACTAACAGCAGGGACCTCAAGTGTGGCAGTGTCTCAAGATTAAAGTATCG	788					
Qy	886	CAATTATCAATAGTCATGACCAAACCTATGATGTTGCACTTACAGGTCTCCAGCAGA	945					
Db	789	CAAAATTATTAATGTTAGCTAGACAAAGGTGTGGGATACCTCTCAAGCTAGTGA	848					
Qy	946	ACTATTCTTATGCAAGTTTACACAGGTCATGCTTCATATGTAATGTACTCTCT	1005					
Db	849	AATGCCCTCTTCAGTCAAATCTCTCAACTCTGCTACTATGTCAGTCTGGGT	908					
Qy	1006	GACATTGATCAATGTTACACGAGAAATTACACGAGGAATTATCTGGCAATGACCTCATT	1065					
Db	909	GACATCGATGTTGACGGCAAGTGTGAAAGTGTGAAATTATCTGGATGACCTCATT	968					
Qy	1066	GATGTTAGAAGACTGCTGATGCTGGCAACTGCTCCAGAATACATTCACCT	1125					
Db	969	GACATGGCCAAGTGTGGCAACTACCATGCTGTCGCTCCAGTGTCCCTCCA	1028					
Qy	1126	TCTTTAGAAGACTGCTGATGCTGGCAACTGCTCAACATCTGTAAT	1185					
Db	1029	TCTTTAGGGGAAAGCAAGTGTGATGCTGGCAACTGCTCAACATCTGTAAT	1082					

RESULT 6

US-09-667-857-72

Sequence 72, Application US/09667857
; Patent No. 6699664

GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: King, Gordon E.

8
age

APPLICANT:	Algata, Paul A.
APPLICANT:	Fling, Steven P.
APPLICANT:	Retter, Marc W.
APPLICANT:	Fanger, Gary Richard
APPLICANT:	Reed, Steven G.
APPLICANT:	vedwick, Thomas S.
APPLICANT:	Carter, Darrick
TITLE OF INVENTION:	COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION:	DIAGNOSTICS OF OVARIAN CANCER
FILE REFERENCE:	21.0121.46225
CURRENT APPLICATION NUMBER:	US/09/667,857
CURRENT FILING DATE:	2009-09-20
NUMBER OF SEQ ID NOS:	455
SOFTWARE:	FastSEQ for Windows Version 3.0
SEQ ID NO:	72
LENGTH:	107
TYPE: DNA	
ORGANISM:	Homo sapien
US -09-667-857-72	
Query Match	9.8%; Score 507.8; DB 3; Length 2017;
Best Local Similarity	55.8%; Pred. No. 7.3e-11; Indels 99; Gaps 5;
Matches 1138; Conservative 0; Mismatches 802; Db	
Qy	175 GCGGTGCSATTAGCAAGGTAAGAAACCTAACGAACCATGGGTCAGTTCCACACCTTGTG 234
Db	9 GCGTGAGCTGCAAGGAAGTCAGGTCACTGCAGTGGTCAGTTCCACAGGGATGAT 68
Qy	235 GCGACGCCCTGGATATCGGCCATAAACTTAGGAAAGGCGHAGCATGATCAGACTC 294
Db	69 GGAGGGCCAAATATGTGGCTTATACATCTGAGAACTTACATCTGAGATAAACAGTT 128
Qy	295 CATACTGTTAAAGCCAATATCTGATTCTTACTCTGGTGTCAAGCTGAGACTTTTTT 354
Db	129 GRTAACCTCAAACCTCAGGGAGTTCACTAACGGTGTCAAGGCCGTACTTTTCTTA 188
Qy	355 CAATCTGGTTACCTCAACCTGTTTACACAGATATGGCACTAGCTGACATGAATAAT 414
Db	189 CAGTCAGGTCTGGGGCCGGTTAACCTGAAATATGGCTTATCTGATCTGACAG 248
Qy	415 GATGGAGAGATGGATCAAGTGGAGTTTCCATGCTGAAACTTATCAAATCTGAACTA 474
Db	249 GATGGAGAGATGGACCAAGCAAGTGTCTCATAGCTATGAAATAAAGTG 308
Qy	475 CAGGATATCAGTACCCCTCTGACTCTCCCTGTAGTAAAGCTGAAACAGCACCC-- AGTCT 531
Db	309 CAGGGCCAACAGTCGCTGTAGTCTCCCTCATGTTAAAGAACCCCTATGTTCTCT 368
Qy	532 ATTCCTAGGCAACCCATTGGTATGGGAGGTATGCCAGATGCTCCATACACT 591
Db	369 CCACTAATCTCTGCTGTAGTGGATGGAAAGATGCCAAATCTGTCAATTATCAGCA 428
Qy	592 GTTGCCTCACTGSCCAATGGATC-----CATT 618
Db	429 TTGCCTCACTGSCCAATGGATC-----CATT 488
Qy	619 CGCTTGTGGATGTCCTCAACCCCTAGTATCTCTGTCAGGCTGTGCCCT 678
Db	489 CCTCCCCCTAATGTTGCTCTCCCTAGTCCTCTGTTAGTACATCTCTCAATT 548
Qy	679 CTGGCTTAAGGGGCTCCCTGTATGACCCCTGCTGCACTTGTGCTACTCTGCT 738
Db	549 GAAACTGGCAAGTCTCCCTTGTAGTATGTCAGCTTATCATTCTTCACTATGCT 608
Qy	739 ACATTCGCAAAAGGCAAGTCTCCCTTGTAGTATGTCAGCTTGTGCTAGTATCAGG 798
Db	609 GCTCATTTAACGCCCTAAGCTTGTAGTGGAGGATTGGTGTAGTATCAGAAGGCCAG 668
Qy	799 TTACAAGGGCAAGTCTCCCTTGTAGTATGTCAGCTTGTGCTAGTATCAGG 841
Db	669 TCTCTGTGTTAGGTCTAGCTCAACTCTCCCTCAACTGCTCAACTCTGATCTG 728
Qy	1906 ACACTTAAAGAGGCTTGTAGCAAAAGAAACTGCTGGCAGACCTACAGGCAACTG 885
Qy	842 -----TGGCAGATGGGGGGCTGTCCTGAGTCAAGACTGATAACGG 885

Query Match 9 8%; Score 507; DB 3; Length 2017;
 Best Local Similarity 55.8%; Pred. No. 7.3e-111; Gaps 5;
 Matches 1138; Conservative 0; Mismatches 802; Indels 99;

QY 175 GGCGTGTGATTAGCAAGTTAAAGTAACAGAACCCCTTTCAGTTCCAAACACCTTTTCAGT 234
 DB 9 GGCTGAGGTGCGAAGAAGAGTCAGGATCATGGATCATGGATCATGGATCATGGATCATGGAT 68

QY 235 GGAGCGCTGGATATCTGGGCCATAACTGTAGGAAAGAGCAGGAGCTATGAGCAGGTC 294
 DB 69 GGAGGCCAAATATGTGGTATACATCTGAAGACGTACTANGCATATAACAGT 128

QY 295 CATACTTAAGCCAATATCTGGATCACTGTAGCTGAAGAACCTTTTTT 354
 DB 129 GATAACCTCAAACCTCAAGCTGAGGTACATACAGTGATAAGCCGTTTTCCTA 188

QY 355 CAATCTGGTTACCTCAACCTGTTTAGCACAGATATGGCACTAGTCAGATGATAAT 414
 DB 189 CAGTCAGTCGTCGCCCGTTTAAGCTGAATAATGGCCCTATCAGATCTGACAAG 248

QY 415 GATGGAAATGGATAAGTGAGGTTCATAGTGTAGACTAACCTGAGCTA 474
 DB 249 GATGGAAATGGTGGACCAAGGGCTCTPATAGCTGAAACTCATCAAGTTAAAGT 308

QY 475 CAAGGGTATCAAGCTTACCTCTGCACTTCCCCTGTCAAGAACAGAACCC -- AGTTGT 531
 DB 309 CAGGGCAACAGCTGCTGTAGTCCTCCCTATCTGARACACCCCTATGTTCT 368

QY 532 ATTCTTAGCGACCCAGCATTTGGAGGTATGCCAGCATGCCAGCTTACAGCT 591
 DB 369 CCACATTAATCTGCTGTTGGATGGAGGATCCTCCATCATTCACTGCCA 428

QY 592 GTTGGCTCAGTGGCAATGGGATC----- CATT 618
 DB 429 TTGGCTCAGTGGCACTATAGCAACCCCTGTCCTGTTGTTGACTTCAGGACAGTATT 488

RESULT 7
 US-10-198-053-72
 ; Sequence 72, Application US/10198053
 ; Patent No. 6858710
 ; GENERAL INFORMATION:
 ; APPLICANT: Bangor, Chaitanya S.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Hill, Paul
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 ; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
 ; FILE REFERENCE: 210121.46229
 ; CURRENT APPLICATION NUMBER: US/10/198,053
 ; CURRENT FILING DATE: 2002-07-17
 ; NUMBER OF SEQ ID NOS: 624
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO: 72
 ; LENGTH: 2017
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-10-198-053-72

Query Match 9 8%; Score 507; DB 3; Length 2017;
 Best Local Similarity 55.8%; Pred. No. 7.3e-111; Gaps 5;
 Matches 1138; Conservative 0; Mismatches 802; Indels 99;

QY 619 CCAGTTGGTGAATGTCATGCCAAACCTCTAGTATCTCTGTTCTGCCCC 678
 DB 489 CCTCCCCATATGGTGCCTGCTCCCTACTGCTCTCTCATTPAACAAAT 548

QY 679 CTGGCTAACGGGGTCCCTCTGGTATAACCTCTGCACTTGTAGACATCT 738
 DB 549 GGAACTGCGAGTCATCCAGCTTACGCTTATCCATCTTATCTCTCAT 608

QY 739 ACATGGCCAAGAGTTCCPCTTCAAGTGTAGATCTGGTCAAGGGTACAACATAAA 798
 DB 609 GCATCATCTACAGCTGATGATGGAGATTGTGGTGTAGATCCAGAAGGCCAG 668

QY 799 TTACAAAAGGCAGGTCAAGTCATTGATGTCAGTGTCCACCAG----- 841
 DB 669 TCTCTGATGTTAGGATCTAGTGTCAACTTCTCAACTCTCTCAGGGAAC 728

QY 842 ----- -TGCAGAGTGGGTGTTCTCAGTCATAAGACTGAAATACAGG 885
 DB 729 TCACCTAACAGCGGACCTCAGAGTGGCAGTCTCAGGCTTCAGAATTAACATTCGG 788

QY 886 CAATTATTCATTAAGTCATGACAAACTATGAGTGACACTTAACGGTCCCAGGAAAGA 945
 DB 789 CAAAAATTAAATGCTAGACACGGATGAGGGATACCTCTAGGTTTCAGGCTAGA 848

QY 946 ACTATTCCTATGCGTCAAGTTCAGGCTAACATGGAAATCTCT 1005
 DB 849 AATGCCCTTCCTGTCATAATCTCTCAACTCTGACTCTATTTGACTCTGGCT 908

QY 1006 GACATTGATCAAGTGGAAACTTACAGAGGAAATTATCCGGCAATGCACTCTATT 1065
 DB 909 GACATCGATGGTGGCAGTGTGAGGAAAGCTGAGAAATTTCTGGGTGACCTCACT 968

QY 1066 GATGTAGCTATGTCGCCCACCTCTGCCCACCTCTGCTGCTCCTGAGT 1125
 DB 969 GACATGGCCAAGCTGACAGCCACTACACTGAGCTGTCCTCCGAGGTTGTCCCTCCA 1028

QY 1126 TCTTTAGAGAGCTTCGATCTGGAGTTATACTGCTCAACATCTGTAGAT 1185
 DB 1029 TCTTCTGAGGGAAAGCTGT----- TCTGTTAATGGAAACTCTGCTCAT 1082

QY 1186 CAGGGCTACCGAGGAACCTTTAGAGATGAAACAATAGAAAGAAATTA 1245
 DB 1083 CAGAAAACAAAGAGAGAGAGCT----- -CAGAAAGAAACTG 1118

QY 1246 CCTGTAACCTTGTGAGATAGAGGGAAACTTGTGACGTGGAAACCTGGTAATGTTGAG 1305
 DB 1119 CCAGTTACTTTGGAGAACAGGAAACATGGAAACATGGGAAACCTGGTGGAG 1178

QY 1306 AAACGAAGGAAAGCTCTCTGGAAACAGCAGGCAAGGGCAGGCCAGCTG 1365
 DB 1179 AAACGCAGCCAGTCTTGTGGAGCAGGAGGGCTGTGACGAAAGCCGAAA 1238

QY 1366 GAGGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1425
 DB 1239 GAGAAGGGAGAGTGGAGGCTGGAGGAGGAGGAGGAGGAGGAGGAG 1298

QY 1426 CTGGAACTCTGGAAACCTGGAAAGAGCAGGGCTGAAACAGGGAAACTGTAAGGAGGAG 1495
 DB 1299 CTGGAGTTGGAGAAACAGAGAGCTGGAGAACAGAGAGAACTGGAGGAG 1358

QY 1486 AGGAGGAAAGAAATTTGAGGGCAAGGGCTGAAACAGGGAAACTGTAAGGAGGAG 1545
 DB 1359 AGGAGAAAGGAGATGAAAGAGGAGCTGAGAACAGGGCTGTGAGAACCCGT 1418

QY 1546 CTTGAGCTGGAAACGGAAATGCTGGAGGAAAGAAACAAAGAACAGAG 1605
 DB 1419 TTAGATGGGAAAGACTCCCTCGGCRGGACTCTGTCAGTCAGAAGCCAGAGAA 1478

QY 1606 GACATAGTGTACTGAAAGGAAAGGAAAGCTTGGATTAGAGCTCTTAAT 1665
 DB 1479 GACATGTGCTGGCTGAGCTGGAGAACCTGGAACTGGAGACTGTGAAAT 1538

QY 1666 GATAAAAAGCATCAACTAGAAGGGAAACCTTCAGATGTCGATGACCCAA 1725

RESULT 9
US-09-513-999C-27927
Sequence 27927, Application US/09513999C
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Dufert, A.
APPLICANT: Giordan, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
Patent No. 6793961
FILE REFERENCE: 59.US2.REG
CURRENT APPLICATION NUMBER: US/09/513, 999C
PRIORITY FILING DATE: 2000-02-24
PRIORITY APPLICATION NUMBER: US 60/122, 487
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent. pm
SEQ ID NO: 27927
LENGTH: 174
TYPE: DNA
ORGANISM: Homo sapiens
US-09-513-999C-27927

Query Match Score 174; DB 3; Length 174;
Best Local Similarity 100.0%; Pred. No. 1.2e-31;
Mismatches 0; Gaps 0;

Db 1299 CTGGAGTTGAGAACGGCTGGAGAACAGAGAGAGCTGGAGACAGCGGGAGAACAG 1358 Qy 3936 TTCCCCACCTTGCACAGGTGTTCAATAGTTAAATTATTTTAATATATTATT 3995 Db 1 TCCCACTTGCACAGGTGTTCAATAGTTAAATTATTTTAATATATTATT 60 Qy 3996 TAGCTTTTAATAAACAAAATAATTAATGACTCTTGCTTGGTTTGCTTGGAAAG 4055 Db 61 TAGCTTTTAATAAACAAAATAATTAATGACTCTTGCTTGGTTTGCTAAG 120 Qy 4056 ACCCACTTCAAGAATCTGCATGTGCTTAAATAATGTCATGTGCTTAAATGTCAT 4109 Db 121 ACCCACTTCAAGAATCTGCATGTGCTTAAATGTCATGTGCTTAAATGTCAT 174

RESULT 10
US-08-630-915A-193
Sequence 193, Application US/08630915A
Patent No. 6309820
GENERAL INFORMATION:
APPLICANT: SPARKS, Andrew B.
APPLICANT: HOFFMAN, Inc. 6309820h
APPLICANT: KAY, Brian K.
APPLICANT: FOWLES, Dana M.
APPLICANT: MCCONNELL, Stephen J.
TITLE OF INVENTION: POLYPEPTIDES HAVING A FUNCTIONAL DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND PURIFYING SAME
CORRESPONDENCE ADDRESS: 227
NUMBER OF SEQUENCES: 227
TITLE OF INVENTION: USING SAME
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/630, 915A
FILING DATE: 03-APR-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 869-3864/9741
TELEFAX: (212) 790-9090
INFORMATION FOR SEQ ID NO: 193:
SEQUENCE CHARACTERISTICS:
LENGTH: 2873 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA
US-08-630-915A-193

Query Match Score 165.2; DB 3; Length 2873;
Best Local Similarity 60.4%; Pred. No. 6.4e-29; Mismatches 32; Gaps 3;
Matches 343; Conservative 0; Mismatches 193; Indels 32;

Qy 3208 GAAATTGCCAGGTATTGCTCATACCGGCCACGGCCGAGCTCACTCTCGCC 3267 Db 1119 GAGATGCTCAAGTAACCTAGCATATGTGCTTCTGACAACCTAGCTTGCAC 1178

Query Match Score 174; DB 3; Length 174;
Best Local Similarity 100.0%; Pred. No. 1.2e-31;
Mismatches 0; Gaps 0;

Page 13

CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 COMPUTER TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/630,915A
 FILING DATE: 03-APR-1996
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Misrock, S. Leslie
 REGISTRATION NUMBER: 1101-174
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-8864/9741
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 39:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 747 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 US-08-630-915A-39

Query	Match	Score 163.8; DB 3;	Length 747;
Qy	3208 GAAATGCCAGGTATTGCCCTCATACCCGCCACCGGGCGAGCGCTACTCTGCC	3267	
Db	334 GAGATTCGTAATTCACTGATGTTCTGTTCTGAACAACTTGCCTGCA	393	
Qy	3268 CCTGGTCACTGTTGATCGAAAAGAACCAAGCTGGATGGAGGAGCTG	3327	
Db	394 CCAGGAGTTATAATTCTAAGAAAATACAGTGTTGGCAAGGAGCTA	453	
Qy	3328 CAAGCAGTGGAAAAAGGCCAGATAGCTTCCAGCTAATTATGTAAGCTCTA	3387	
Db	454 AGCCCTGGACAGCAAAATCACTCCAAAGGCCACCTAAGCTAACGCTA	513	
Qy	3388 AGCCCTGGACAGCAAAATCACTCCAAAGGCCACCTAAGCTAACGCTA	552	
Db	514 GGTCGCAAGCAGTGAAGGCCA-----CACCTGCCCTTCATCTC		
Qy	3448 GTGTGCAAGGTGTTGGATGACTACAAGGAGGCCCTGACTGGTGAAGGAA	3507	
Db	553 GTATGTGAGGTGTTGGATGACTATGCAAACTTAATGAAAGTGAAGCTCAGTTC	612	
Qy	3508 AACAAAGGCCAGATCATAAACGCTCCTCAACAAGGAGGCCCTGACTGGTGAAGGAA	3567	
Db	613 TCCAAGGCCACAACCTATTAATGTTGATGACAAGTGAATGTCAGAGGAG	672	
Qy	3568 GTCAATGGACAAGTGGGCTCTCCATCCAATTATGGAAGTGAACAGACATGGAC	3627	
Db	673 ATCAAACGGGTGACTCTTCCTTCAACTACGTTAACATGACAGACTCAGAT	732	
Qy	3628 CCAAGGCCACAATGA-----		
Db	733 CCAAGTCAACGTA 3642		
Qy	733 CCAAGTCAACGTA 747		
Qy	3448 GTGTGCAAGGTGTTGGATGACTACAAGGAGGCCCTGACTGGTGAAGGAA	35	
Db	553 GTATGTGAGGTGTTGGATGACTATGCAAACTTAATGAAAGTGAAGCTCAGTTTC	61	
Qy	3508 AACAAAGGCCACAACCTATTAATGTTGATGACAAGTGAATGTCAGAGGAG	35	
Db	613 TCCAAGGCCACAACCTATTAATGAAAGTGAATGTCAGAGGAG	67	

NUMBER OF SEQUENCES: 227
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Penne & Edmonds LLP
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/879,957
 FILING DATE: 13-Jun-2001
 CLASSIFICATION: <Unknown>
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/630,915
 FILING DATE: 03-APR-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Misrock, S. Leslie
 REGISTRATION NUMBER: 18,872
 REFERENCE/DOCKET NUMBER: 1101-174
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-8864/9741
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 39:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 747 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 SEQUENCE DESCRIPTION: SEQ ID NO: 39:
 US-09-879-957-39

Query	Match	Score 163.8; DB 3;	Length 747;
Qy	3208 GAAATGCCAGGTATTGCCCTCATACCCGCCACCGGGCGAGCGCTACTCTGCC	3267	
Db	334 GAGATTCGTAATTCACTGATGTTCTGTTCTGAACAACTTGCCTGCA	393	
Qy	3268 CCTGGTCACTGTTGATCGAAAAGAACCAAGCTGGATGGAGGAGCTG	3327	
Db	394 CCAGGAGTTATAATTCTAAGAAAATACAGTGTTGGCAAGGAGCTA	453	
Qy	3328 CAAGCAGTGGAAAAAGGCCAGATAGCTTCCAGCTAATTATGTAAGCTCTA	3387	
Db	454 AGCCCTGGACAGCAAAATCACTCCAAAGGCCACCTAAGCTAACGCTA	513	
Qy	3388 AGCCCTGGACAGCAAAATCACTCCAAAGGCCACCTAAGCTAACGCTA	552	
Db	514 GGTCGCAAGCAGTGAAGGCCA-----CACCTGCCCTTCATCTC		
Qy	3448 GTGTGCAAGGTGTTGGATGACTACAAGGAGGCCCTGACTGGTGAAGGAA	3507	
Db	553 GTATGTGAGGTGTTGGATGACTATGCAAACTTAATGAAAGTGAAGCTCAGTTC	612	
Qy	3508 AACAAAGGCCAGATCATAAACGCTCCTCAACAAGGAGGCCCTGACTGGTGAAGGAA	3567	
Db	613 TCCAAGGCCACAACCTATTAATGTTGATGACAAGTGAATGTCAGAGGAG	672	
Qy	3568 GTCAATGGACAAGTGGGCTCTCCATCCAATTATGGAAGTGAACAGACATGGAC	3627	
Db	673 ATCAAACGGGTGACTCTTCCTTCAACTACGTTAACATGACAGACTCAGAT	732	
Qy	3628 CCAAGGCCACAATGA-----		
Db	733 CCAAGTCAACGTA 3642		
Qy	733 CCAAGTCAACGTA 747		
Qy	3448 GTGTGCAAGGTGTTGGATGACTACAAGGAGGCCCTGACTGGTGAAGGAA	35	
Db	553 GTATGTGAGGTGTTGGATGACTATGCAAACTTAATGAAAGTGAAGCTCAGTTTC	61	
Qy	3508 AACAAAGGCCACAACCTATTAATGTTGATGACAAGTGAATGTCAGAGGAG	35	
Db	613 TCCAAGGCCACAACCTATTAATGAAAGTGAATGTCAGAGGAG	67	

RESULT 13
 US-09-879-957-39
 Sequence 39, Application US/09879957
 Patent No. 6709821
 GENERAL INFORMATION:
 ADDITIONAL INFORMATION:
 TCCAGGGCAACCTATTAATGATGATGAGTCAACAGGCCACCTAACGTCAGTCAGTTTC

RESULT 14

US 09-404-879A-5

; Sequence 5, Application US/09404879A

; GENERAL INFORMATION:

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: King, Gordon E.

; APPLICANT: Algate, Paul A.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS OF OVARIAN CANCER

; CURRENT FILING DATE: 1999-09-24

; NUMBER OF SEQ ID NOS: 393

; SEQ ID NO: 5

; LENGTH: 531

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-38-933-5

Query Match 3.0% Score 153.4; DB 3; Length 531;

Best Local Similarity 61.1%; Pred. No. 1.7e-26;

Matches 266; Conservative 0; Mismatches 166; Indels 3; Gaps 1;

Qy 175 GGCGTGGATTACCAAGTTAAAGTAACAGAACCTTCAGTTGCTAGTTCCAACACTTGTGT 234

Db 9 GCCTGAGAGCTGAGATGCTGAAGAAGCTGAGATCATGATGAGCTGTTCCACAGCGATAT 68

Qy 235 GCGGCCTGGATAATCTGGCCATAACTGTAGAGAAAGGGAAAGCTGATGCCAGGTTTC 294

Db 69 GAGGGCCAAATATGGGGTTATTAGCTGAAGAGCTAAGCTGATAAACAGTT 128

Qy 295 CATGGTTAAAGCCAAATATCTGGATCAGTACTGGTCAAGCTGAGAAACTTTTTTT 354

Db 129 GATAACCTCAACCTTCAGGGTTACATACGGTGATCAGCCGGTACTTTTCCCTA 188

Qy 355 CAATCTGGTTACCTCACCTGGTATTAGCACAGATGGACACTGATGATAAT 414

Db 189 CACTCAGGGTCCGGCCGGTTTAGCTGAAATATGGGCTTATGAGCTGACAG 248

Qy 415 GATGGAAAGATGATCACTGAGTTTCATAGCTGAAACTPATCAAACCTGAGCTA 474

Db 249 GATGGGAGAGTGGCAAGGCTATAGCTGAAACTCTATAGCTGAACTCATCAAGTTAAGTTG 308

Qy 475 CAGGGATATCACCTACCTGGCAGTCCCTGCACTTCCCTGATGAAACAGGAACTC 531

Db 309 CAGGGCAACAGCTGGCTGTAGTCCTCCCTATGAGAAACAACCCCTATGTTCTCT 368

Qy 532 ATTCTAGCAGCAGGATTTGGATGGAGGTATGGCTAGCCAGCTTACAGCT 591

Db 369 CCACTAATCTCTGCTGGATGGGATGGGAGCATGCCAATCTGTCATCAGGCCA 428

Qy 592 GTTGCTCCAGTCCC 606

Db 429 TGGCTCCAGTGC 443

Search completed: February 14, 2006, 05:36:49

Job time : 845 secs

RESULT 15

US-09-38-933-5

; Sequence 5, Application US/0938933

; GENERAL INFORMATION:

; APPLICANT: Mitcham, Jennifer Lynn